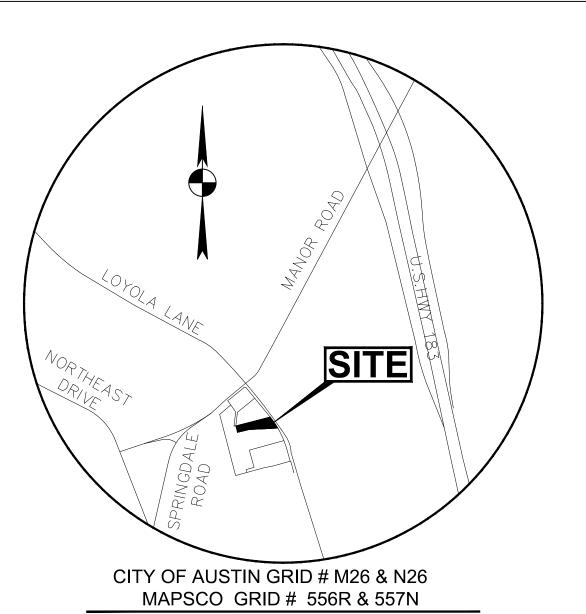
SHEET INDEX



SITE DEVELOPMENT PERMIT PLANS FOR

UNIVERSITY HILLS

LIBRARY PARKING

LOT EXPANSION

OWNER/
DEVELOPER: CITY OF AUSTIN

635 N. PLEASANT VALLEY ROAD

AUSTIN, TEXAS 78702 (512) 974-7469 CONTACT: PAUL SANCHEZ

ENGINEER: STANTEC CONSULTING SERVICES, INC.

1905 ALDRICH STREET, SUITE 300 AUSTIN, TEXAS 78723

(512) 328-0011

CONTACT: ROBERT J. PAVUR, JR., P.E., CFM

LANDSCAPE MWM DESIGN GROUP

ARCHITECT: 305 E. HUNTLAND DRIVE, SUITE 200

AUSTIN, TEXAS 78752 (512) 992-2972

CONTACT: DAVID CAZARES, RLA, LEED AP

ENVIRONMENTAL: BAER ENGINEERING AND ENVIRONMENTAL CONSULTING, INC.

7756 NORTHCROSS DRIVE, SUITE 211

AUSTIN, TEXAS 78757 (512) 453-3733

CONTACT: CHRISTEN WARKOCZEWSKI

HARUTUNIAN ENGINEERING, INC.

305 E. HUNTLAND DRIVE, SUITE 500

AUSTIN, TEXAS 78752

(512) 454-2788 CONTACT: ANNE HARUTUNIAN, P.E.

## WATERSHED STATUS:

THIS PROJECT IS LOCATED IN THE LITTLE WALNUT CREEK WATERSHED WHICH IS CLASSIFIED AS AN URBAN WATERSHED. THIS PROJECT IS LOCATED OUTSIDE THE EDWARDS AQUIFER RECHARGE, TRANSITION, AND CONTRIBUTING ZONE ACCORDING TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AND THE CITY OF AUSTIN. THIS SITE WILL BE DEVELOPED, CONSTRUCTED, AND MAINTAINED IN CONFORMANCE WITH TERMS AND CONDITIONS OF THE CITY LAND DEVELOPMENT CODE AS OF THE PROJECT APPLICATION DATE

## FLOODPLAIN INFORMATION:

A PORTION OF THE TRACT SHOWN HEREON LIES WITHIN ZONE "AE" (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED), AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD INSURANCE PROGRAM, AS SHOWN ON MAP NO. 48453C0470K, DATED JANUARY 6, 2016 FOR TRAVIS COUNTY, TRXAS AND INCORPORATED AREAS. THE FLOODPLAINS DELINEATED IN THIS PLAN SET WERE OBTAINED BY FEMA AND CITY OF AUSTIN AT THE TIME OF PERMITING OF THIS PROJECT. THE HYDRAULIC MODELING APPROVED BY FEMA AND THE CITY OF AUSTIN ARE ACCEPTED FOR THE SCOPE OF THIS PROJECT.

# LEGAL DESCRIPTION(S):

0.5084 ACRES OF LAND, MORE OR LESS, OUT OF LOT 1A BLUFFS OF UNIVERSITY HILLS RESUBDIVISION OF LOTS 1 & 2 BLOCK A IN THE CURRENT DEED, RECORDED ON OCTOBER 5, 2016, IN DOCUMENT #C-1-CV-15-003281, TRAVIS COUNTY OFFICIAL PUBLIC RECORDS, AND 2.84 ACRES OF LOT 2A BLUFFS OF UNIVERSITY HILLS RESUB OF LTS 1 & 2 BLOCK A IN THE CURRENT DEED, RECORDED ON DECEMBER 30, 1983, IN VOL.8477 PG.998, TRAVIS COUNTY OFFICIAL PUBLIC RECORDS

# BENCHMARK NOTE:

BM #1 - MAGNETIC NAIL SET IN ASPHALT ROADWAY ON THE EAST SIDE OF LOYOLA LANE, EASTERLY ACROSS FROM THE UNIVERSITY HILLS BRANCH LIBRARY, IN EXTENSION WITH THE SOUTH BOUNDARY LINE OF THE LIBRARY SITE, 78.0 FEET SOUTHEAST FROM A FIRE HYDRANT AND 61.0 FEET EAST PF A WATER METER IN A ROUND CONCRETE ENCASEMENT, BOTH ON THE WEST SIDE OF LOYOLA LANE. (GRID) N: 12,086,099.40 E: 3,138,206.43 ELEVATION=513.87'

BM #2 - ½" IRON ROD SET WITH RED PLASTIC CAP MARKED "MM TRAV" IN THE GROUND BEHIND THE SOUTHWEST CORNER OF THE UNIVERSITY HILLS BRANCH LIBRARY BUILDING, 25.4 FEET WEST OF THE SOUTHWEST BUILDING CORNER, AND 27.0 FEET WEST OF THE NORTHWEST CORNER OF A CONCRETE RETAING WALL. (GRID) N: 10,086,032.42 E: 3,137,932.46 ELEVATION=508.00'



1905 Aldrich Street, Suite 300 Austin, TX 78723 TBPE # F-6324 TBPLS # 10194230 www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

# NOTES:

- 1. THIS PROJECT IS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (SPCS), NAD83(96)CORS ADJUSTMENT 2002 EPOCH. ALL COORDINATES SHOWN HEREON ARE GRID VALUES EXPRESSED IN UNITS OF U.S. SURVEY FEET. ALL ELEVATIONS SHOWN HEREON ARE NAVD 88 AND WERE BASED ON GPS OBSERVATIONS.
- 2. THIS SITE IS COMPOSED OF 2 LOTS/TRACTS. IT HAS BEEN APPROVED AS ONE COHESIVE DEVELOPMENT. IF PORTIONS OF THE LOTS/TRACTS ARE SOLD, APPLICATION FOR SUBDIVISION AND SITE PLAN APPROVAL MAY BE REQUIRED.
- 3. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.
- 4. RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

## TRAFFIC CONTROL NOTE:

THIS NOTE IS BEING PLACED ON THE PLAN SET IN PLACE OF A TEMPORARY TRAFFIC CONTROL STRATEGY WITH THE FULL UNDERSTANDING THAT, AT A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION, A TEMPORARY TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY THE RIGHT OF WAY MANAGEMENT DIVISION. THE OWNER/REPRESENTATIVE FURTHER RECOGNIZES THAT A REVIEW FEE, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEE ORDINANCE, SHALL BE PAID EACH TIME A PLAN OR PLAN REVISION IS SUBMITTED TO RIGHT OF WAY MANAGEMENT DIVISION FOR REVIEW.

THE FOLLOWING MUST BE TAKEN INTO CONSIDERATION WHEN DEVELOPING FUTURE TRAFFIC CONTROL STRATEGIES:

- PEDESTRIAN AND BICYCLE TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE AUTHORIZED BY RIGHT OF WAY MANAGEMENT.
- NO LONG-TERM LANE CLOSURES WILL BE AUTHORIZED, UNLESS RIGHT
  OF WAY MANAGEMENT DETERMINES THAT ADEQUATE
  ACCOMMODATIONS HAVE BEEN MADE TO MINIMIZE TRAFFIC IMPACT.
  PROJECT SHOULD BE PHASED SO THAT UTILITY INSTALLATION
  MINIMALLY IMPACTS EXISTING OR TEMPORARY PEDESTRIAN
  FACILITIES.

PERMIT NO. : ZONING :

SP-2019-0252D GR-MU-CO-NP 6014.037

ADDRESS

 $4701\frac{1}{2}$  LOYOLA LANE AUSTIN, TRAVIS COUNTY, TEXAS 78723

SDP APPLICAITON SUBMITTAL DATE :

JUNE 6, 2019

SUBMITTED BY:

Jaket Pavur

ROBERT J. PAVUR, JR., P.E., CFM STANTEC CONSULTING SERVICES, INC. 1905 ALDRICH STREET, SUITE 300 AUSTIN, TEXAS 78723 (512) 328-0011

## PLAN SUBMITTALS:

NO.	DATE	COMMENTS
60%	03/14/2019	SUBMITTAL TO AUSTIN PUBLIC LIBRARY
90%	05/23/2019	SUBMITTAL TO AUSTIN PUBLIC LIBRARY
100%	06/27/2019	SUBMITTAL TO AUSTIN PUBLIC LIBRARY

I, ROBERT J. PAVUR, JR., P.E., CFM, CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THE INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

FILE: V:\2247\active\224701089\civil\phase\_01\drawing\sheets\01089c01\_101\_cvr01.dwg



OBERT J. PAVUR,

7/28/2020

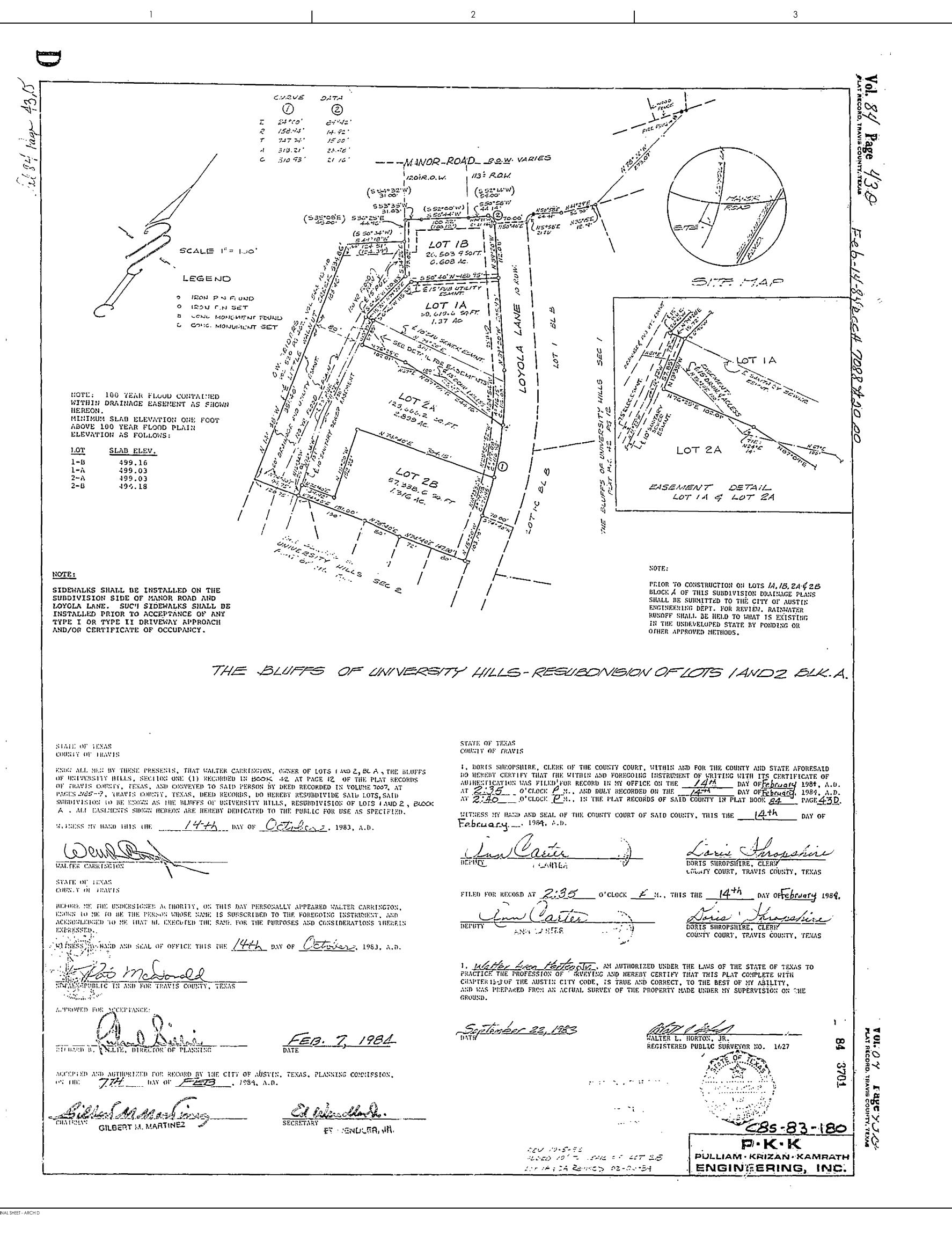
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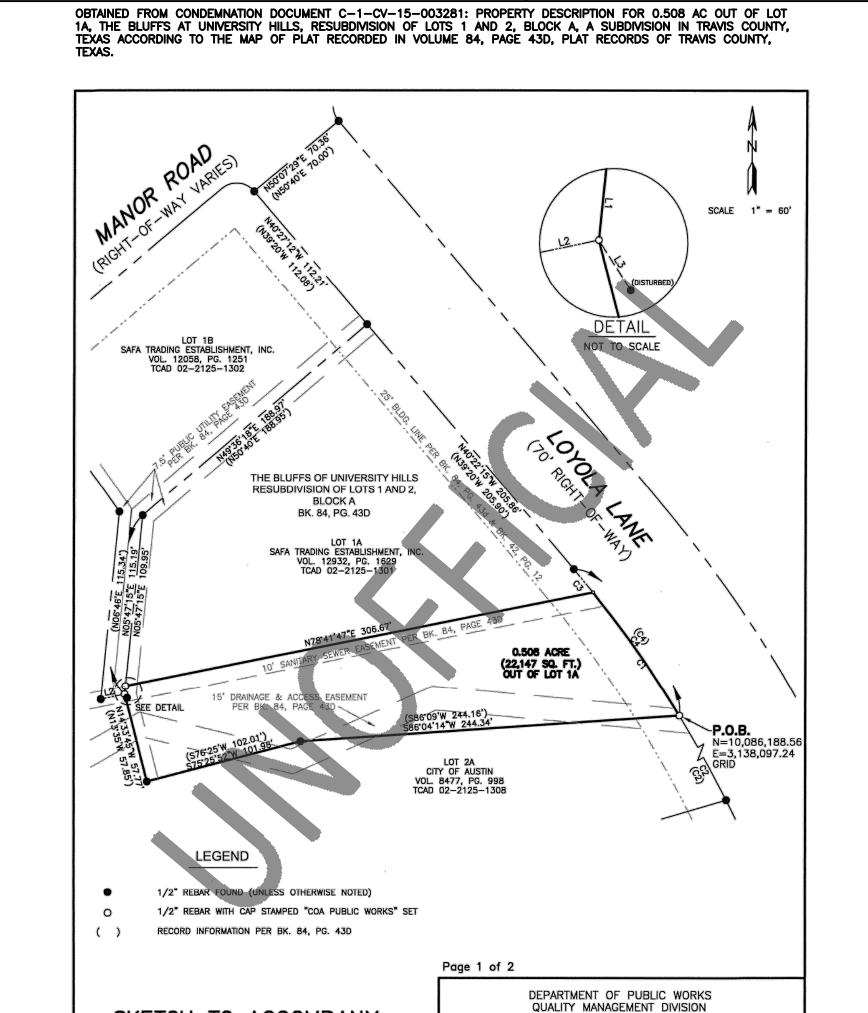
		REVISE (R) ADD (A)	TOTAL # SHEETS	NET CHANGE	TOTAL SITE	CITY OF AUSTIN	DATE
NO.	DESCRIPTION	VOID (V) SHEET NO.'S	IN PLAN	IMP. COVER (sq. ft.)	IMP. COVER (sq. ft.) [%]		IMAGED

APPF	ROVED FOR ACCE	PTANCE:
DEVELO	DPMENT SERVICES DEPAR	RTMENT DATE
AUSTIN	PUBLIC LIBRARY	DATE
CITY OF	F AUSTIN FIRE DEPARTME	INT DATE
AUSTIN	WATER UTILITY DEPARTI	MENT DATE
INDUST	RIAL WASTE DEPARTMEN	IT DATE
	CHEFT	SITE PLAN APPROVAL   Sheet   01   of   32     FILE NUMBER:   SP-2019-0252D   APPLICATION DATE:   JUN 06,   2019     APPROVED BY COMMISSION ON:   UNDER SECTION   OF     CHAPTER   OF THE CITY OF AUSTIN CODE.     EXPIRATION DATE (25-5-81,LDC)   CASE MANAGER     PROJECT EXPIRATION DATE (ORD.#970905-A)   DWPZ   DDZ     Director, Development Services Department     RELEASED FOR GENERAL COMPLIANCE:   ZONING:     Rev. 1
	SHEET 01 of 32	FINAL PLAT MUST BE RECORDED BY THE PROJECT EXPIRATION DATE, IF APPLICABLE. SUBSEQUENT SITE PLANS WHICH DO NOT COMPLY WITH THE CODE CURRENT AT THE TIME OF FILING, AND ALL REQUIRED BUILDING PERMITS AND/OR A NOTICE OF CONSTRUCTION (IF A BUILDING PERMIT IS NOT REQUIRED), MUST ALSO BE APPROVED PRIOR TO THE PROJECT EXPIRATION DATE.

SP-2019-0252D

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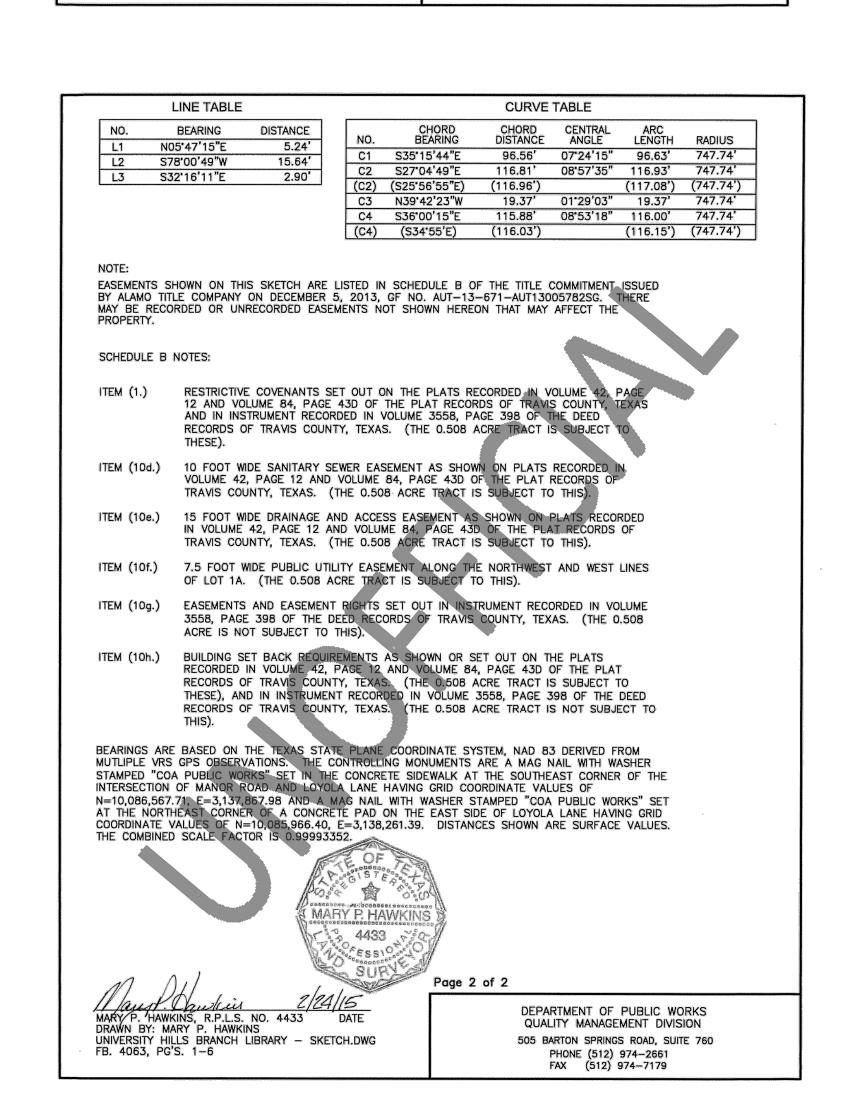


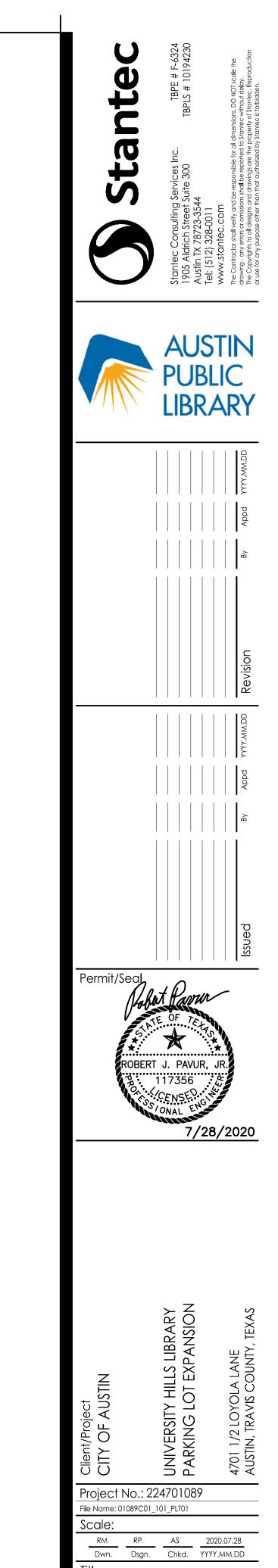


505 BARTON SPRINGS ROAD, SUITE 760 PHONE (512) 974-2661 FAX (512) 974-7179

SKETCH TO ACCOMPANY

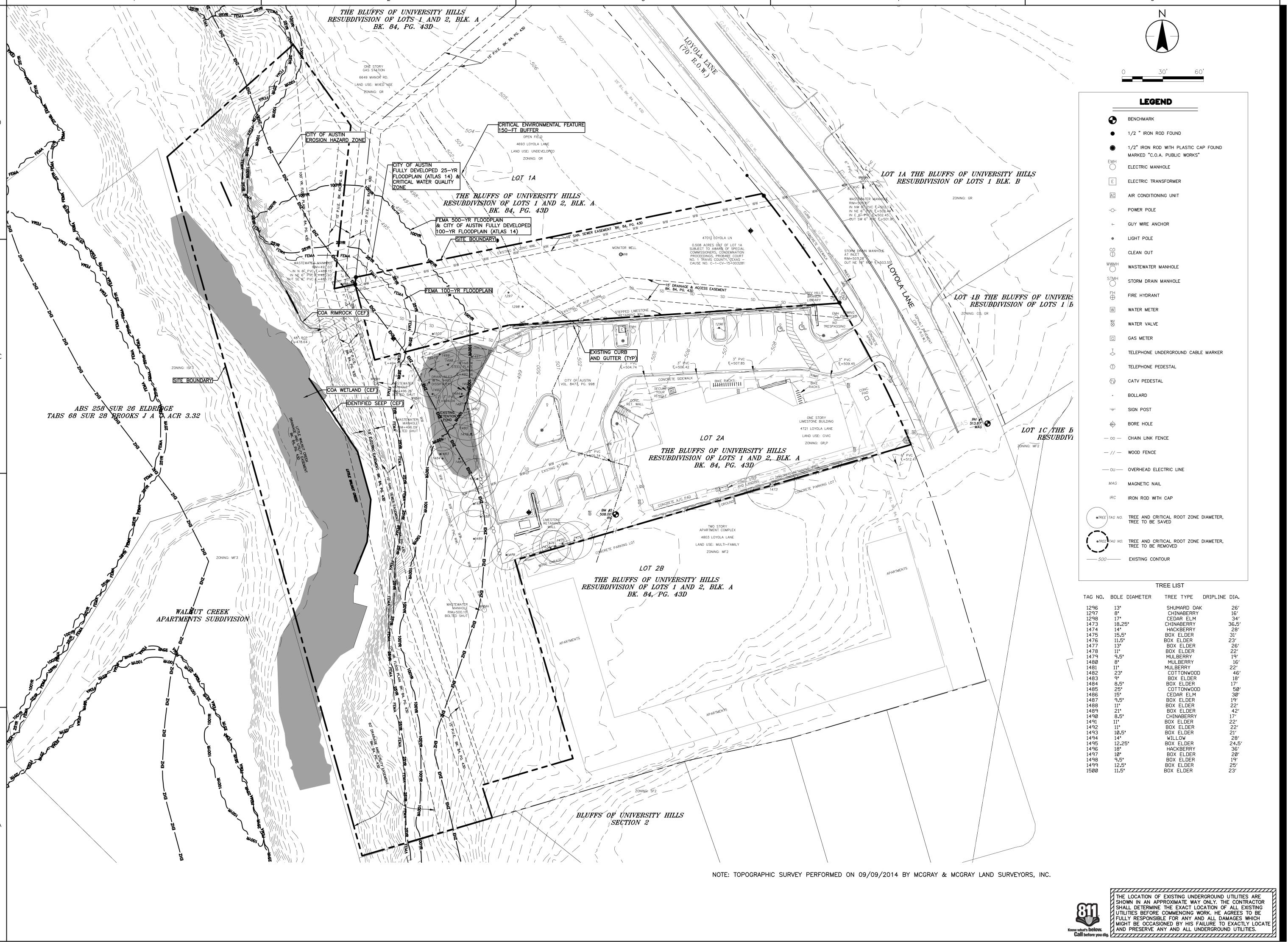
LEGAL DESCRIPTION





Drawing No.

Revision:0 Sheet: 02 of 32



Stantec

Stantec Consulting Services Inc 1905 Aldrich Street Suite 300 Austin TX 78723-3544 Tel: (512) 328-0011 www.stantec.com

AUSTIN PUBLIC LIBRARY

LIBRARY

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ROBERT J. PAVUR, JR.

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7/28/2020

/ERSITY HILLS LIBRARY KING LOT EXPANSION 1/2 LOYOLA LANE

Project No.: 224701089

File Name: 01089C01\_101\_TTP02

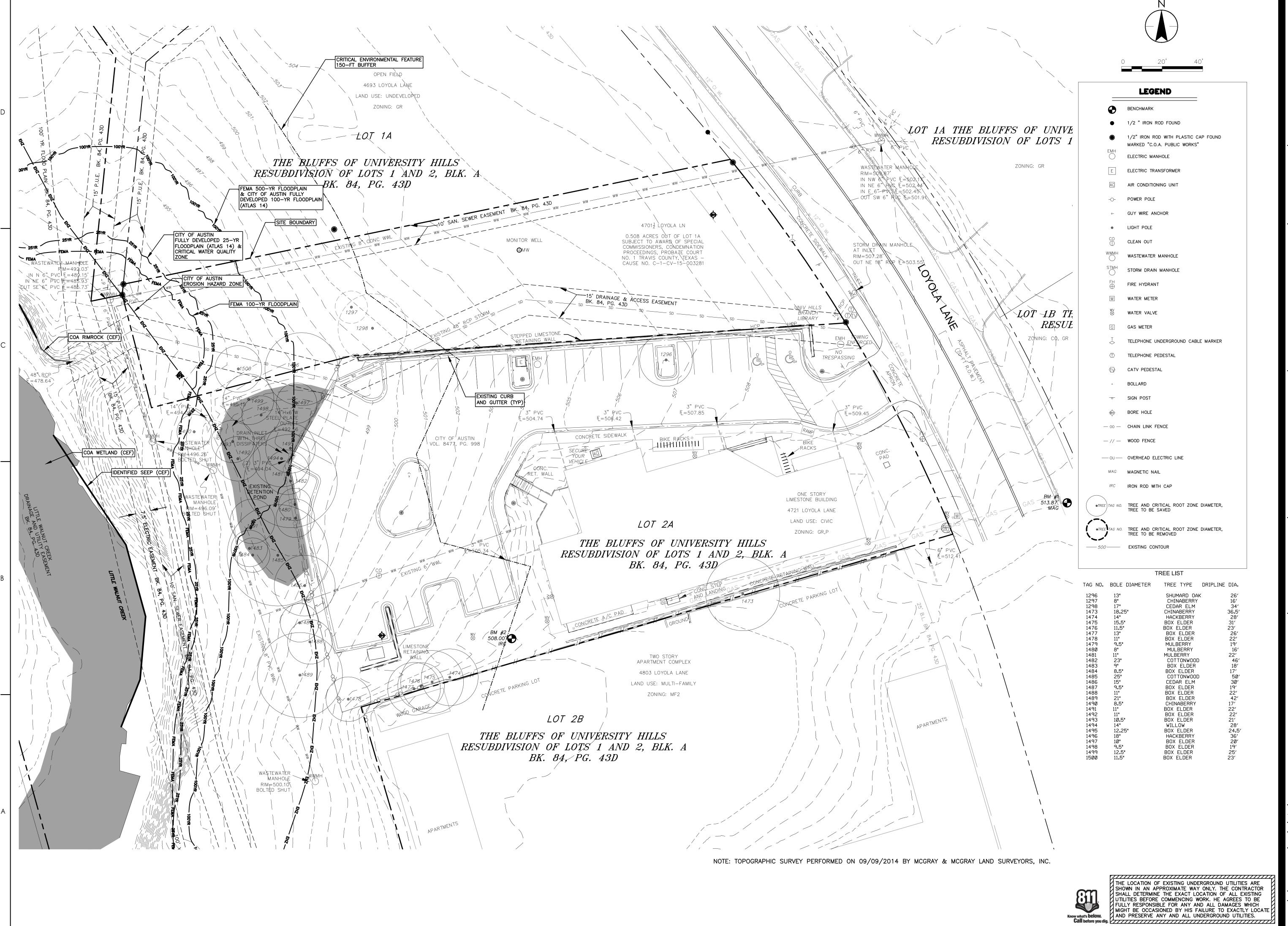
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Title
OVERALL EXISTING
CONDITIONS PLAN

Revision:0 Sheet: 03 of 32

Drawing No.



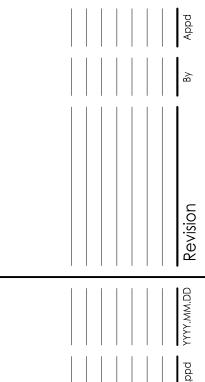
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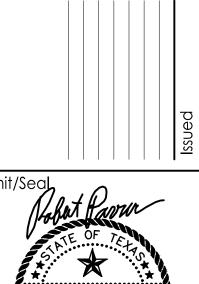


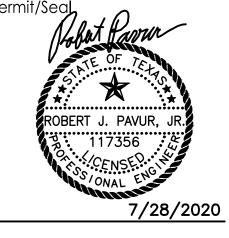












IIVERSITY HILLS LIBRARY RKING LOT EXPANSION 01 1/2 LOYOLA LANE

Project No.: 224701089

File Name: 01089C01\_101\_TTP01

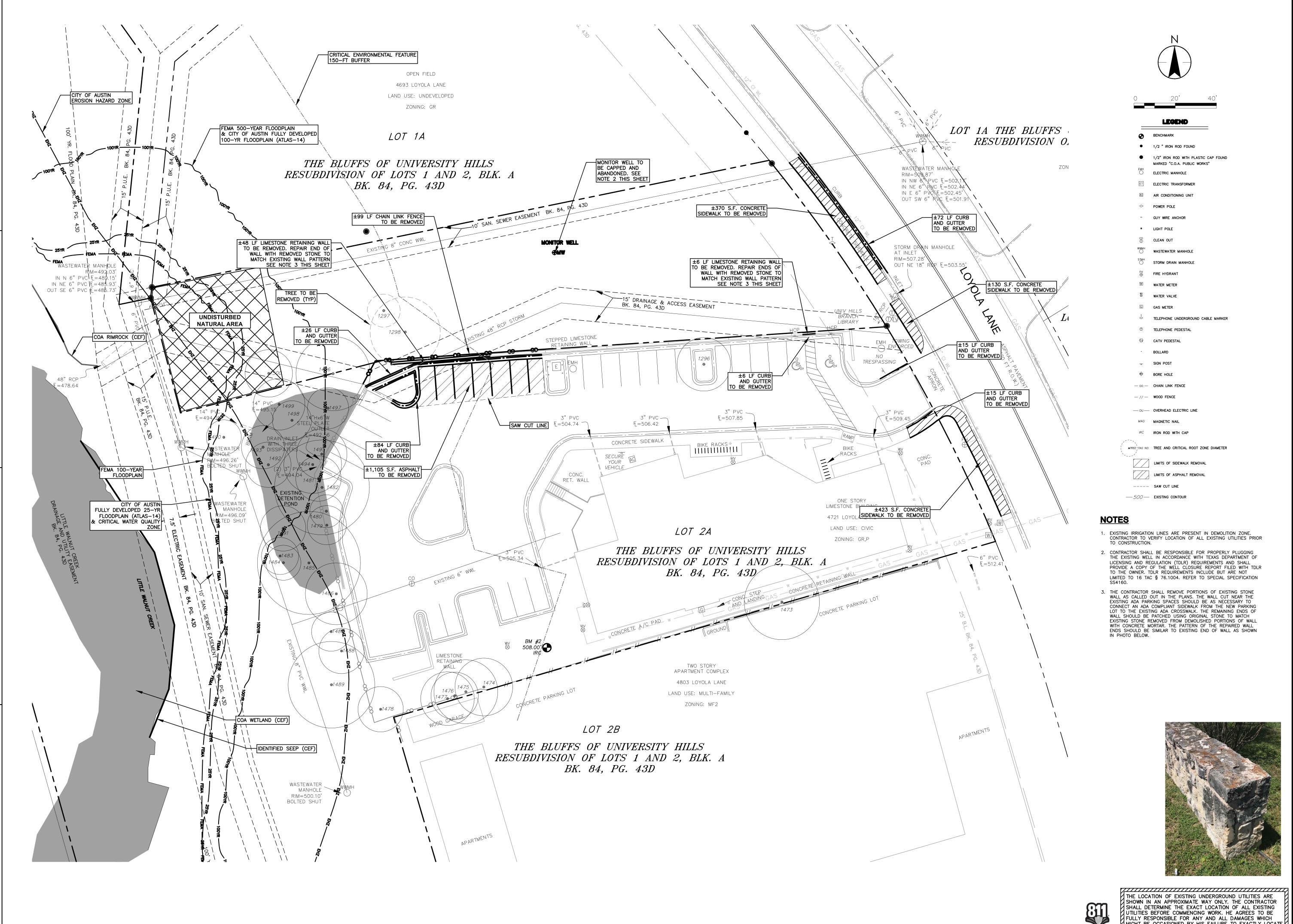
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 YYYY.MM.DD

EXISTING CONDITIONS PLAN

Revision:0 Sheet: 04 of 32 Drawing No.



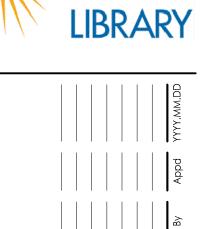
MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE
AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

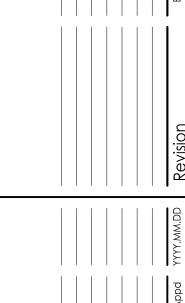
Call before you dig.



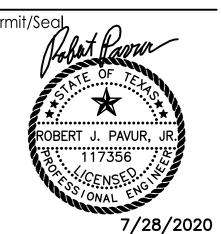












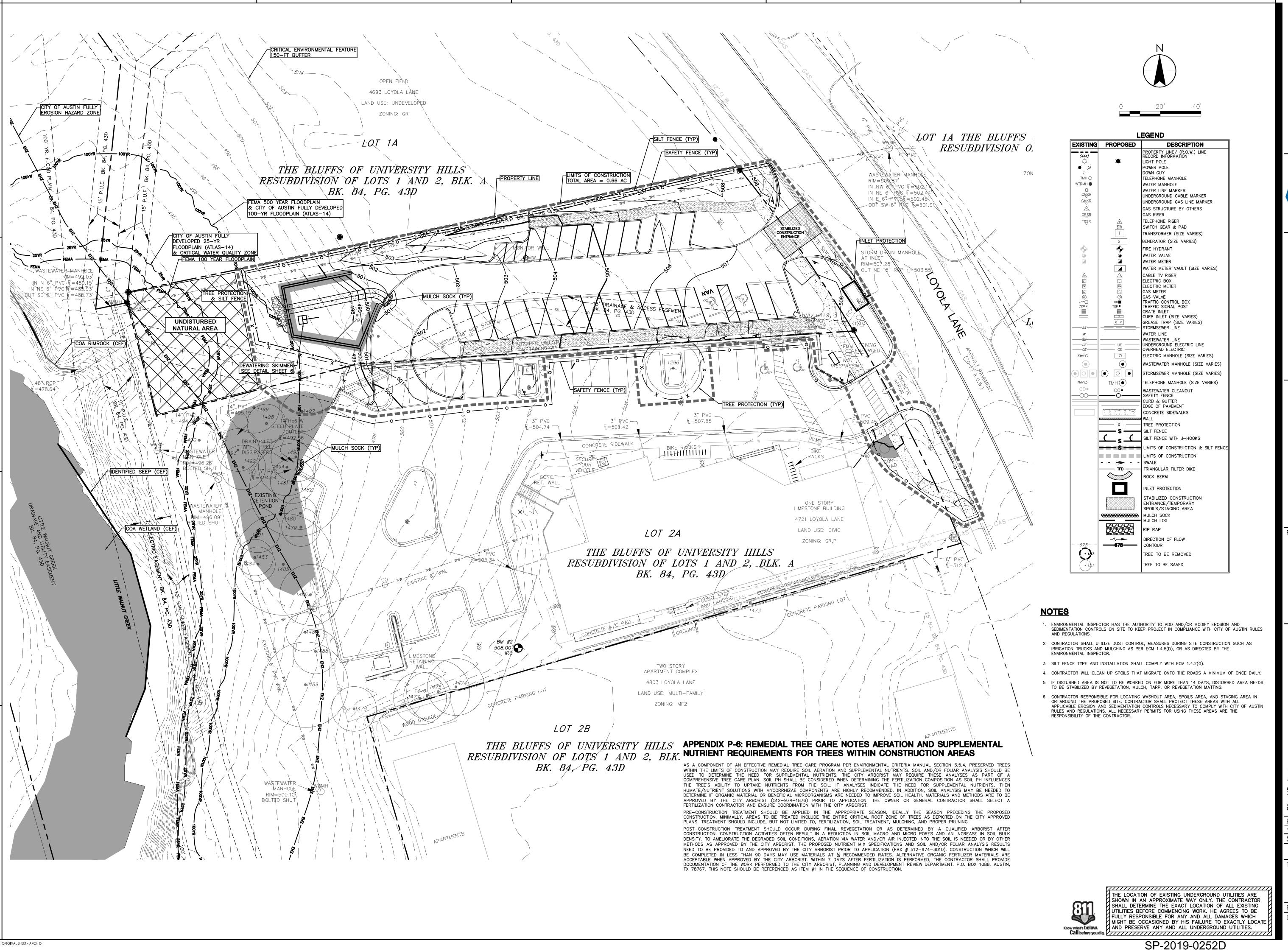
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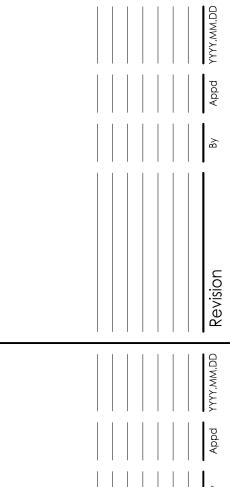
DEMOLITION PLAN

Revision:0 Sheet: 05 of 32 Drawing No.









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EROSION AND SEDIMENTATION CONTROL

Revision:0 Sheet: 06 of 32

Drawing No.

## **APPENDIX P-1:**

**EROSION CONTROL NOTES** 

- THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTIVE FENCING, AND CONDUCT "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR EXCAVATION).
- 2. THE PLACEMENT OR EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING. THE CHECKLIST BELOW CONTAINS THE BASIC ELEMENTS THAT SHALL BE REVIEWED FOR PERMIT APPROVAL BY COA EV PLAN REVIEWERS AS WELL AS COA EV INSPECTORS.
- PLAN SHEETS SUBMITTED TO THE CITY OF AUSTIN MUST SHOW THE FOLLOWING: •• DIRECTION OF FLOW DURING GRADING OPERATIONS.
- LOCATION, DESCRIPTION, AND CALCULATIONS FOR OFF-SITE FLOW DIVERSION STRUCTURES.
- •• AREAS THAT WILL NOT BE DISTURBED; NATURAL FEATURES TO BE PRESERVED.
- •• DELINEATION OF CONTRIBUTING DRAINAGE AREA TO EACH PROPOSED BMP (E.G., SILT FENCE, SEDIMENT BASIN, ETC.) •• LOCATION AND TYPE OF E&S BMPS FOR EACH PHASE OF DISTURBANCE.
- CALCULATIONS FOR BMPS AS REQUIRED
- •• LOCATION AND DESCRIPTION OF TEMPORARY STABILIZATION MEASURES.
- .. LOCATION OF ON-SITE SPOILS, DESCRIPTION OF HANDLING AND DISPOSAL OF BORROW MATERIALS, AND DESCRIPTION OF ON-SITE PERMANENT SPOILS DISPOSAL AREAS, INCLUDING SIZE, DEPTH OF FILL AND REVEGETATION PROCEDURES.
- •• DESCRIBE SEQUENCE OF CONSTRUCTION AS IT PERTAINS TO ESC INCLUDING THE FOLLOWING ELEMENTS:
- 1. INSTALLATION SEQUENCE OF CONTROLS (E.G. PERIMETER CONTROLS, THEN SEDIMENT BASINS, THEN TEMPORARY STABILIZATION, THEN PERMANENT, ETC.)
- 2. PROJECT PHASING IF REQUIRED (LOC GREATER THAN 25 ACRES)
- 3. SEQUENCE OF GRADING OPERATIONS AND NOTATION OF TEMPORARY STABILIZATION MEASURES TO BE USED
- 4. SCHEDULE FOR CONVERTING TEMPORARY BASINS TO PERMANENT WQ CONTROLS 5. SCHEDULE FOR REMOVAL OF TEMPORARY CONTROLS
- CATEGORIZE EACH BMP UNDER ONE OF THE FOLLOWING AREAS OF BMP ACTIVITY AS DESCRIBED BELOW:

3.2 CONTROL STORMWATER FLOWING ONTO AND THROUGH THE PROJECT

- 6. SCHEDULE FOR REMOVAL OF TEMPORARY CONTROLS 3.1 MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL
- 3.3 STABILIZE SOILS 3.4 PROTECT SLOPES
- 3.5 PROTECT STORM DRAIN INLETS
- 3.6 ESTABLISH PERIMETER CONTROLS AND SEDIMENT BARRIERS
- 3.7 RETAIN SEDIMENT ON-SITE AND CONTROL DEWATERING PRACTICES 3.8 ESTABLISH STABILIZED CONSTRUCTION EXITS
- 3.9 ANY ADDITIONAL BMPS
- NOTE THE LOCATION OF EACH BMP ON YOUR SITE MAP(S).
- FOR ANY STRUCTURAL BMPS, YOU SHOULD PROVIDE DESIGN SPECIFICATIONS AND DETAILS AND REFER TO THEM. • FOR MORE INFORMATION, SEE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL 1.4.
- 3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
- 4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTION MEASURES AND "PRE-CONSTRCUTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE DEVELOPMENT SERVICES DEPARTMENT, 512-974-2278 OR BY EMAIL AT ENVIRONMENTAL INSPECTIONS@AUSTINTEXAS GOV, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPDES SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR AT THIS
- 5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED COA STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
- 6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR THAT IS EITHER A LICENSED ENGINEER (OR PERSON DIRECTLY SUPERVISED BY THE LICENSED ENGINEER) OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC OR CPESC - IT), CERTIFIED EROSION, SEDIMENT AND STORMWATER — INSPECTOR (CESSWI OR CESSWI — IT) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISEC OR CISEC -IT) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY OR BI-WEEKLY INTERVALS AND AFTER ONE-HALF (1) INCH OR GREATER RÁINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES (6) INCHES OR ONE-THIRD (1) OF THE INSTALLED HEIGHT OF THE CONTROL WHICHEVER IS LESS.
- 7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
- 8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS; ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION.
- 9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW:
- A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
- TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET STANDARDS SET FORTH IN 601S.
- A CONTRACTOR MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S B' PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED.
- SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.
- THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

## TEMPORARY VEGETATIVE STABILIZATION:

- 1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (SECALE CEREALE) AT 4.5 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) OR PERENNIAL RYEGRASS (LOLIUM PERENNE). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
- 2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE OR A NATIVE PLANT SEED MIX
- A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER, FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE
- B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
- C. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 13 INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
- D. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATION 604S OR 609S.

## TABLE 1: HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
100% OR ANY BLEND OF WOOD, CELLULOSE, STRAW, AND/OR COTTON PLANT MATERIAL (EXCEPT NO MULCH SHALL EXCEED 30% PAPER)	70% OR GREATER WOOD/STRAW  30% OR LESS PAPER OR NATURAL FIBERS	0-3 MONTHS	MODERATE SLOPES; FROM FLAT TO 3:1	1,500 TO 2,000 LBS PER ACRE

# PERMANENT VEGETATIVE STABILIZATION:

ORIGINAL SHEET - ARCH D

- 1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (1) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMUDAGRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED TYPICALLY REQUIRES SOIL TEMPERATURES
- 2. FROM MARCH 2 TO SEPTEMBER 14. SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMUDA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEM 604S OR 609S.
- A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 606S, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.
- B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
- . WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION AND A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED

PROFESSIONAL, AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.

- D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
- E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 604S AND 609S.

#### TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

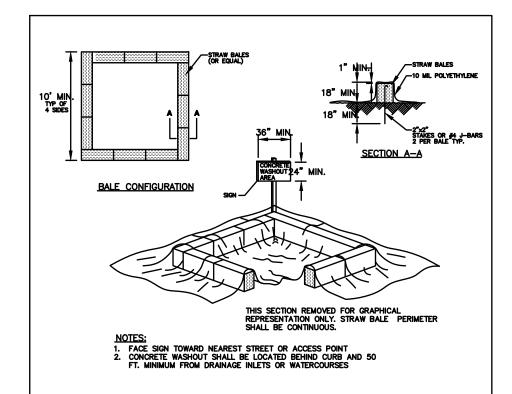
MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
BONDED FIBER MATRIX (BFM)	80% ORGANIC DEFIBRATED FIBERS 10%TACKIFIER	6 MONTHS	ON SLOPES UP TO 2:1 AND EROSIVE SOIL CONDITIONS	2,500 TO 4,000 LBS PER ACRE
FIBER REINFORCED MATRIX (FRM)	65% ORGANIC DEFIBRATED FIBERS 25% REINFORCING FIBERS OR LESS 10% TACKIFIER	UP TO 12 MONTHS	ON SLOPES UP TO 1:1 AND EROSIVE SOIL CONDITIONS	3,000 TO 4,500 LBS PER ACRE

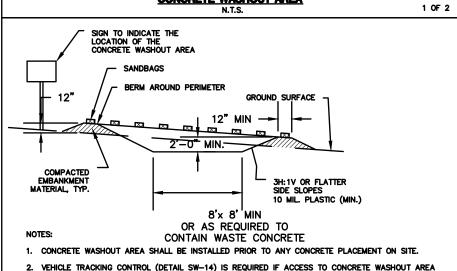
#### 10. DEVELOPER INFORMATION:

- (512) 974-7469 PHONE #\_ ADDRESS PO BOX 1088, AUSTIN, TEXAS 78767
- OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS: STANTEC CONSULTING SERVICES, INC. (512) 328-0011 \_ PHONE #\_
- PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE: (512) 974-7469
- PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE: CITY OF AUSTIN
- 11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE DEVELOPMENT SERVICES DEPARTMENT AT 512-974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.

# CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL **AREA PROTECTION**

- ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING
- CONSTRUCTION WITH TEMPORARY FENCING. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
  EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH
  DOES NOT RESULT IN SOIL BUILD—UP WITHIN TREE DRIP LINES.
- PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE), FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
- SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
- ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ABORIST;
  WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
  OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND 6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
- A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE
- OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZED ROOT DAMAGE); WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING; WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS,
- CONTACT THE CITY ARBORIST AT 974-1876 TO DISCUSS ALTERNATIVES.
- SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED. . WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK,
- PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FT (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE
- 9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED
- WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM
- EXISTING TREE TRUNKS AS POSSIBLE 11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
- 12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE 13. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY
- (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE CITY ARBORIST 14. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NON-COMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.

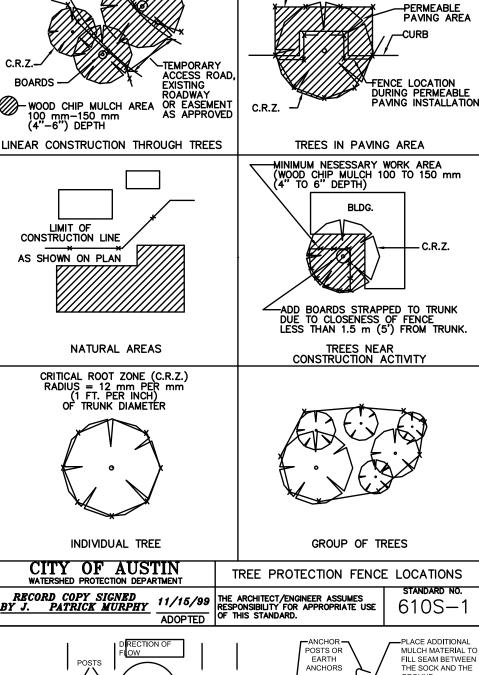




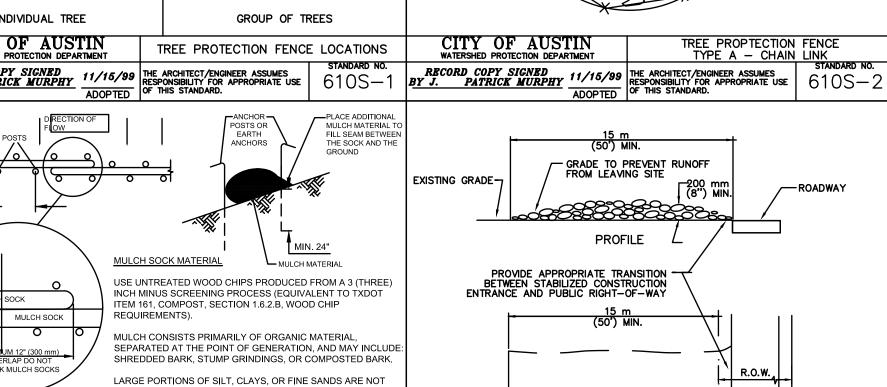
**CONCRETE WASHOUT AREA** 

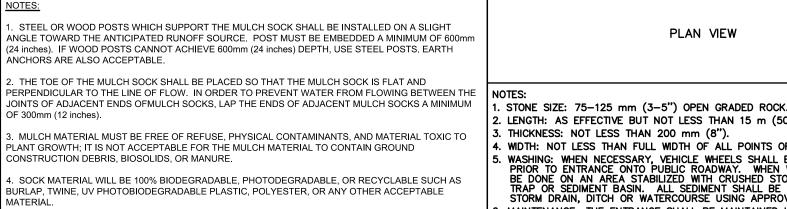
- . VEHICLE TRACKING CONTROL (DETAIL SW-14) IS REQUIRED IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAYEMENT.
- SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY
  TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- 5. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE. 6. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.
  - CONCRETE WASHOUT AREA

2 OF 2



FENCE LOCATION PRIOR TO CLEARING, GRADING AND PAVING





ACCEPTABLE IN THE MULCH

FT SPACING BOTH SIDES

MULCH SOCK

CITY OF AUSTIN

PERSPECTIVE VIEW

Schedule 40

Figure 6.64a Schematic of a skimmer, from Pennsylvania Erosion and Sediment Pollution Control Manual,

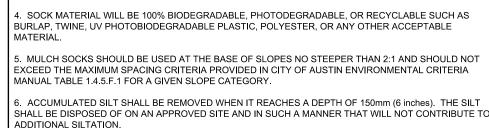
FRONT VIEW

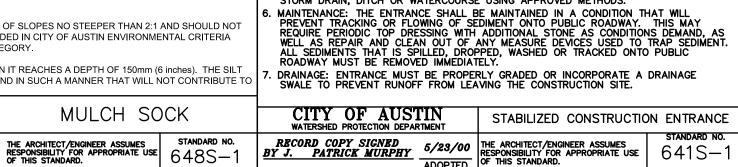
PVC Elbow

"Holes in Underside

END VIEW

PVC End

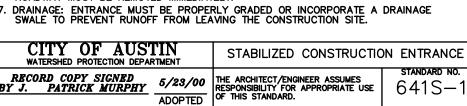




Schedule 40

PVC Pipe

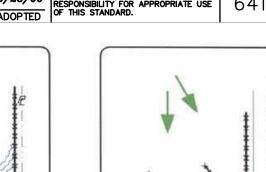
Bottom Surface



. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').

PLAN VIEW

4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.



—CHAIN LINK FENCE

CRITICAL ROOT ZONE

STANDARD NO.

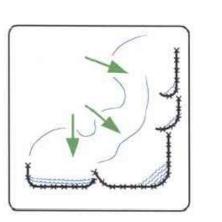
-ROADWAY

FENCE LOCATION
(LIMITS OF CRITICAL ROOT ZONE)
RADIUS=12 mm PER mm (1 ft PER in)
OF TRUNK DIAMETER

500 mm DIA. TREE

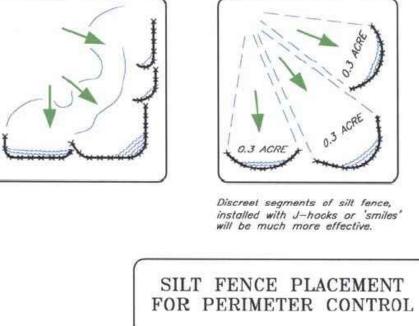
Incorrect - Do Not layout "perimeter control" silt fences along property lines. All sediment laden runoff will concentrate and overwhelm the system

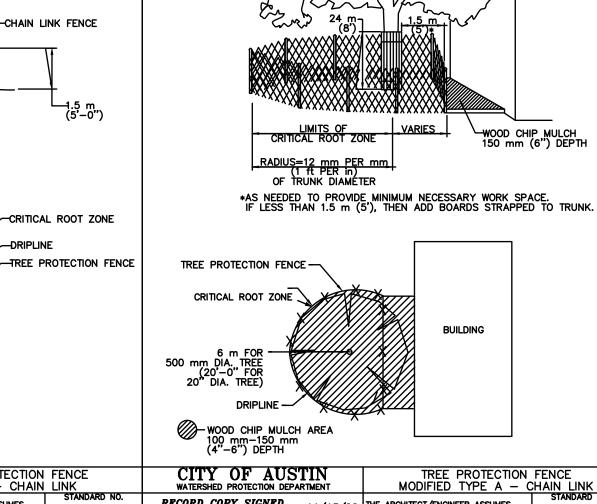
1 ACRE

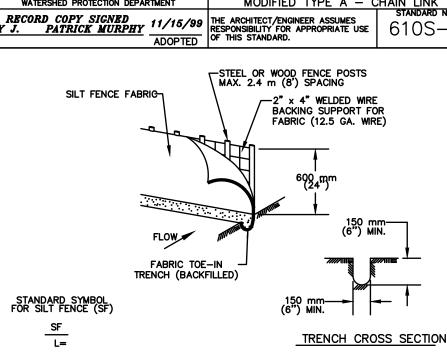




FILE: SF-PERIMETER CONTROL





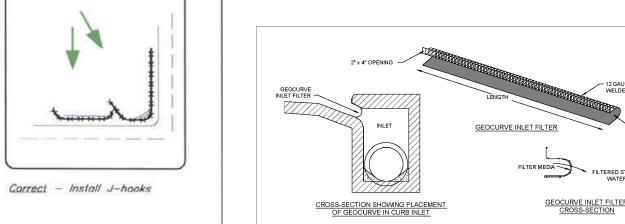


1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS. 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. 3.THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED 4.SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.

5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

5. INSPECTION SHALL BE MADE WEEKLY REPLACEMENT SHALL BE MADE PROMORY ASTINEDED ROW REPLACEMENT SHALL BE METHOD REPLACEMENT SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. 7.ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/20 ADOPTED	1 THE ARCHITECT/ENGINEER ASSUMES 1 RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	standard no. 6425—



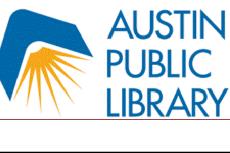
PROPERTY	ASTM TEST METHOD	VALUE
Fabric Weight	D 3776	4.5 oz/sy
UV Stability	D 4355	80% after 500 hrs in xenon arc device
Mullen Burst Strength	D 3786	410 lbs/sq in
Water Flow Rate	D 4491	325 gal/min/sf

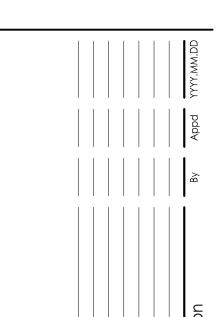
FILTER MEDIA PROPERTIES: WOVEN FILTER FABRIC

- 1. The GeoCurve Inlet Filter shall be forced into the curb inlet to create a compression fit into the inlet. 2. The filter media for projects within City of Austin jurisdiction is to be GeoSolutions CI-1 woven filter fabric.
- 3. The filter media is to be attached to the wire frame. 4. Inspection shall be made by the contractor and silt accumulation must be removed when the depth reaches 2 inches. 5. Inlet filter shall be removed upon stabilization of the sediment
  - GeoCurve Inlet Filter Standard Detail December 30, 2009

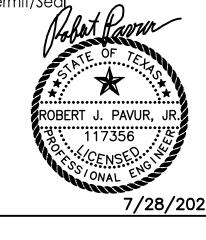
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/ HILLS LIBRAF. OT EXPANSIC 1/2 LOYOLA LANE IIN, TRAVIS COUNTY,

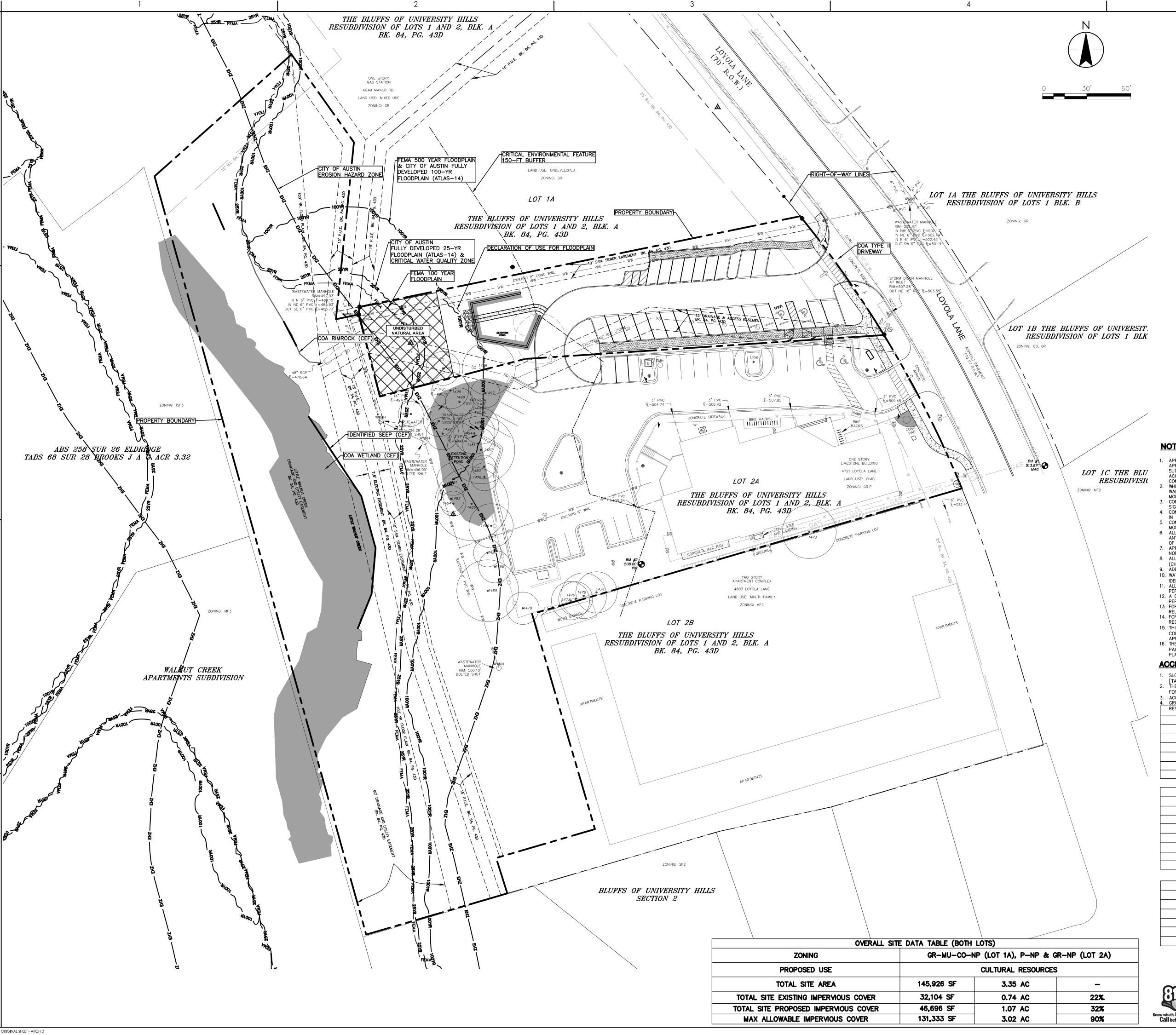
Project No.: 224701089 ile Name: 01089C01 101 FSD01 RM RP AS 2020.07.28

EROSION AND SEDIMENTATION CONTROL

NOTES AND DETAILS Revision:0 Sheet: 07 of 32

Drawing No.

Dwn. Dsgn. Chkd. YYYY.MM.DD



EXISTING	PROPOSED	DESCRIPTION
(xxx)		PROPERTY LINE/ (R.O.W.) LINE RECORD INFORMATION
	*	LIGHT POLE
ø ˈø	'	POWER POLE
€-		DOWN GUY
TMH ○ WTRMH ●		TELEPHONE MANHOLE
0		WATER MANHOLE WATER LINE MARKER
CMKR		UNDERGROUND CABLE MARKER
GMKR O		UNDERGROUND GAS LINE MARKER
		GAS STRUCTURE BY OTHERS
GRSR		GAS RISER
<u>IRSR</u>	<u>A</u>	TELEPHONE RISER
	<u>SW</u>	SWITCH GEAR & PAD
	T	TRANSFORMER (SIZE VARIES)
	G	GENERATOR (SIZE VARIES)
•	<b></b>	FIRE HYDRANT
<b>@</b>	<u> </u>	WATER VALVE
		WATER METER
		WATER METER VAULT (SIZE VARIES)
<u>A</u>	<u>A</u>	CABLE TV RISER
E EM	E	ELECTRIC BOX   ELECTRIC METER
6	G	GAS METER
<u></u>	©	GAS VALVE
TCB□ TSP °	TCB <b>Ⅲ</b> TSP •	TRAFFIC CONTROL BOX TRAFFIC SIGNAL POST
,3, =		GRATE INLET
		CURB INLET (SIZE VARIES)
CC		GREASE TRAP (SIZE VARIES) STORMSEWER LINE
— SS — —   — w — —		WATER LINE
ww		WASTEWATER LINE
— <i>UE</i> ——	UE	UNDERGROUND ELECTRIC LINE
	OE	OVERHEAD ELECTRIC
EMHO		ELECTRIC MANHOLE (SIZE VARIES)
		WASTEWATER MANHOLE (SIZE VARIES)
		STORMSEWER MANHOLE (SIZE VARIES)
TMH O CO•	TMH (●) CO•	TELEPHONE MANHOLE (SIZE VARIES)
	××	WASTEWATER CLEANOUT  WRE FENCE (REF. LANDSCAPE ARCH.)
		CURB & GUTTER
		EDGE OF PAVEMENT   FIRE LANE DESIGNATION
		CONCRETE SIDEWALKS
		HANDICAP ACCESSIBLE ROUTE
ĺ		WALL
	_	SIGN
*	•	WHEELSTOP   BOLLARD
(HC)	Ġ.	HANDICAP SPACE
		DID DAD
		RIP RAP
	<u>iiriliiril</u>	BIKE PARKING
	FFE	FINISH FLOOR ELEVATION
	(FOC)	FACE OF CURB DIMENSION
( • 1)11		TREE TO BE SAVED
(~) <sub>1</sub>		TREE TO BE REMOVED

- APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. COMPLIANCE WITH ACCESSIBILITY STANDARDS SUCH AS THE 2010 STANDARDS FOR ACCESSIBLE DESIGN OR THE 2012 TEXAS ACCESSIBILITY STANDARDS WAS NOT VERIFIED. THE APPLICANT IS RESPONSIBLE FOR
- COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.

  2. WHERE SECTION OF STONE WALL ARE REMOVED, THE ENDS OF THE EXISTING STONE WALL SHOULD BE REPAIRED BACK TO ORIGINAL EXISTING CONDITIONS USING STONE AND MORTAR. SEE DEMOLITION PLAN FOR DETAILS. CONTRACTOR TO OBTAIN ALL RELEVANT SIGNAGE PERMITS PRIOR TO APL MONUMENT
- SIGN CONSTRUCTION.

  4. CONTRACTOR TO INSTALL APL MONUMENT SIGN PER SPECIAL SPECIFICATION SS101423 IN THE PROJECT MANUAL.

  5. CONTRACTOR SHALL COORDINATE WITH APL ON FINAL LOCATION AND ORIENTATION OF
- 6. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE SITE PLAN AMENDMENT AND APPROVAL OF THE DEVELOPMENT SERVICES DEPARTMENT. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL.
- 8. ALL SIGNS MUST COMPLY WITH REQUIREMENTS OF THE LAND DEVELOPMENT CODE (CHAPTER 25-10). 9. ADDITIONAL ELECTRIC EASEMENTS MAY BE REQUIRED AT A LATER DATE. 10. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN [OR
- IDENTIFY THE SERVICE PROVIDER IF OTHER THAN THE CITY OF AUSTIN]. IDENTIFY THE SERVICE PROVIDER IF OTHER THAN THE CITY OF AUSTIN].

  11. ALL EXISTING STRUCTURES SHOWN TO BE REMOVED WILL REQUIRE A DEMOLITION PERMIT FROM THE CITY OF AUSTIN DEVELOPMENT SERVICES DEPT.

  12. A DEVELOPMENT PERMIT MUST BE ISSUED PRIOR TO AN APPLICATION FOR BUILDING PERMIT FOR NON—CONSOLIDATED OR PLANNING COMMISSION APPROVED SITE PLANS.

  13. FOR DRIVEWAY CONSTRUCTION: THE OWNER IS RESPONSIBLE FOR ALL COSTS FOR RELOCATION OF, OR DAMAGE TO UTILITIES.

  14. FOR CONSTRUCTION WITHIN THE RIGHT—OF—WAY, A ROW EXCAVATION PERMIT IS REQUIRED.
- 15. THIS SITE IS COMPOSED OF 2 LOTS/TRACTS. IT HAS BEEN APPROVED AS ONE COHESIVE DEVELOPMENT. IF PORTIONS OF THE LOTS/TRACTS ARE SOLD, APPLICATION FOR SUBDIVISION AND SITE PLAN APPROVAL MAY BE REQUIRED.

  16. THE COMPACT CAR PARKING SPACES MUST BE DEMARCADED BY THE OWNER BY
- PAINTING "COMPACT" AT THE FRONT OF THE PARKING SPACE AS SHOWN IN THE SITE PLAN.

# ACCESSIBILITY NOTES

SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.
 [TAS 4.3.7]
 THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE
 FOR ANY RAMP RUN IS 30 IN. [TAS 4.8.2]

	1 OK ANT KAMI KON 15 50 IN. [1A5 4.0.2]	
3.	ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREA	TER THAN 1:50. [TAS 4.3.7]
<u>4.</u>	GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE S'	ΓABLE, FIRM, AND SLIP
	RESISTANT. [TAPARKING TABLE (NEW SPACES	
	STANDARD PARKING SPACES	17
	COMPACT PARKING SPACES	7
	STANDARD ACCESSIBLE SPACES	1
	VAN ACCESSIBLE SPACES	1
	SUBTOTAL	26
	MOTORCYCLE PARKING SPACES	3
	ELECTRIC CHARGING SPACES	2

PARKING TABLE (EXISTING SPA	CES)
STANDARD PARKING SPACES	28
STANDARD SPACES REMOVED	-4
COMPACT PARKING SPACES	0
STANDARD ACCESSIBLE SPACES	2
VAN ACCESSIBLE SPACES	0
SUBTOTAL	26
MOTORCYCLE PARKING SPACES	0
ELECTRIC CHARGING SPACES	0

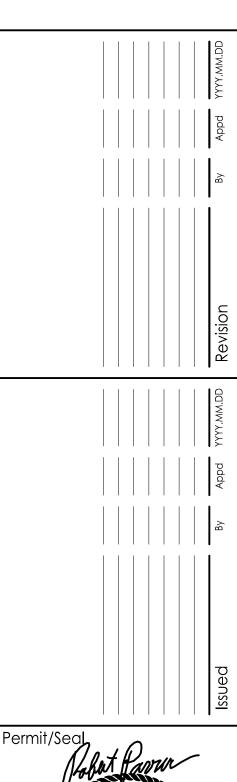
PARKING TABLE (TOTAL)	
LAND USE: CULTURAL SERVICES	
BUILDING AREA: 8,677 SF	
REQUIRED PARKING (1 PER 500 SF)	18
TOTAL PROVIDED SPACES	52
REQUIRED ACCESSIBLE SPACES	3
PROVIDED ACCESSIBLE SPACES	4



THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE
AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

Call before you dig.





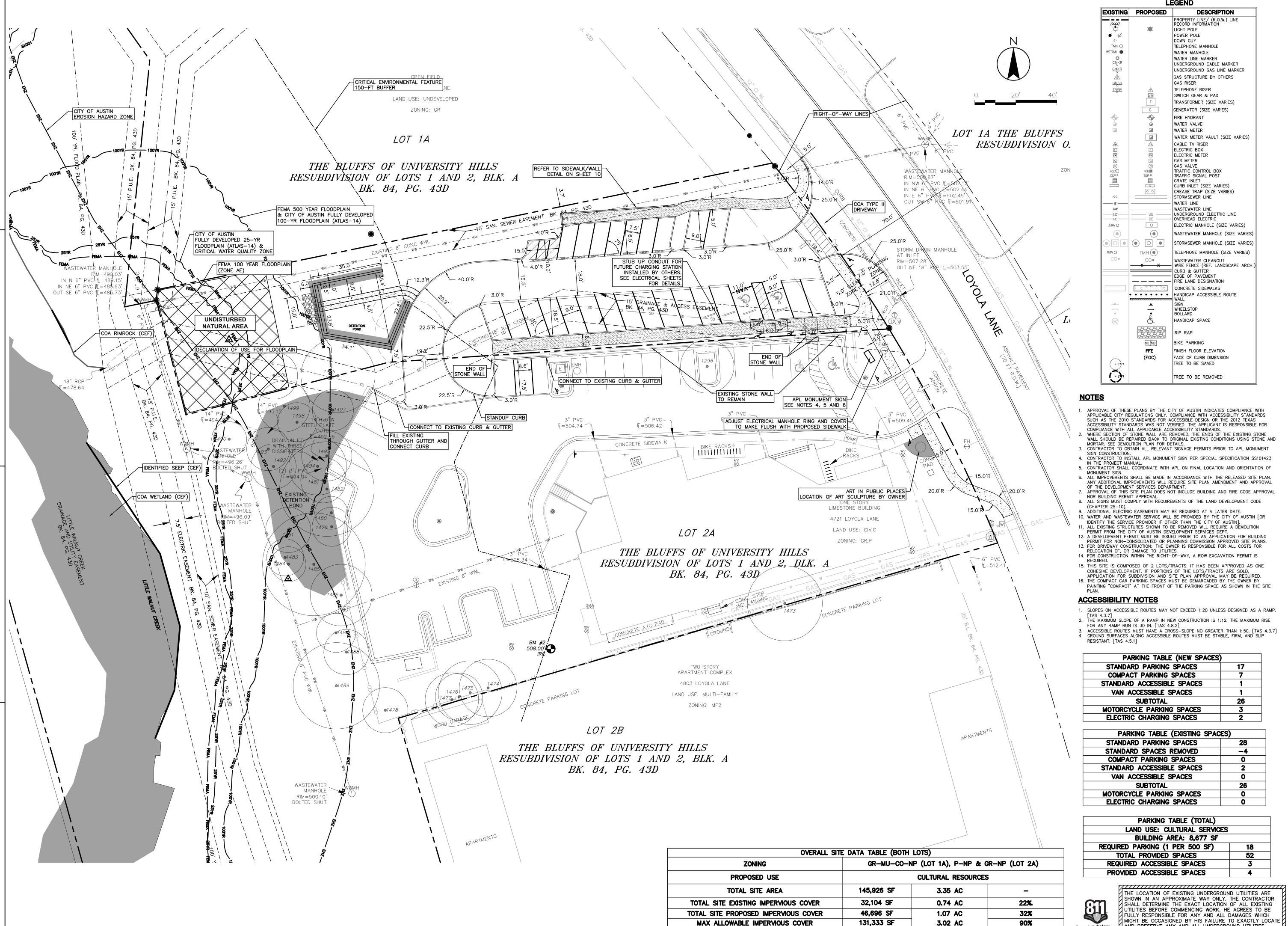
OBERT J. PAVUR, 7/28/2020

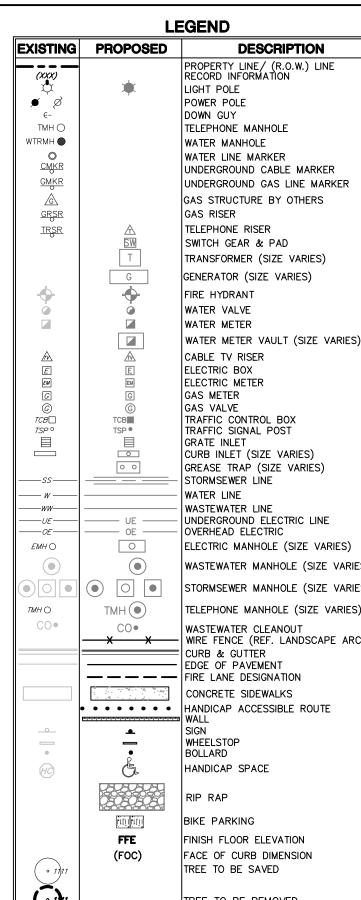
Project No.: 224701089 ile Name: 01089C01\_101\_SPN02

 
 RM
 RP
 AS
 2020.07.28

 Dwn.
 Dsgn.
 Chkd.
 YYYY.MM.DD
 OVERALL SITE PLAN

Revision:0 Sheet: 08 of 32



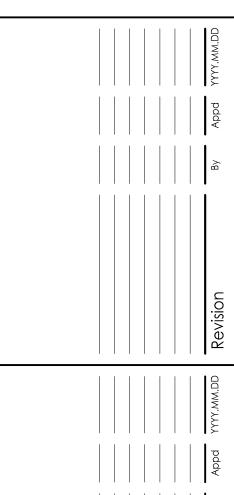


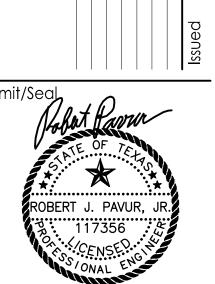


AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. Call before you dig.









7/28/2020

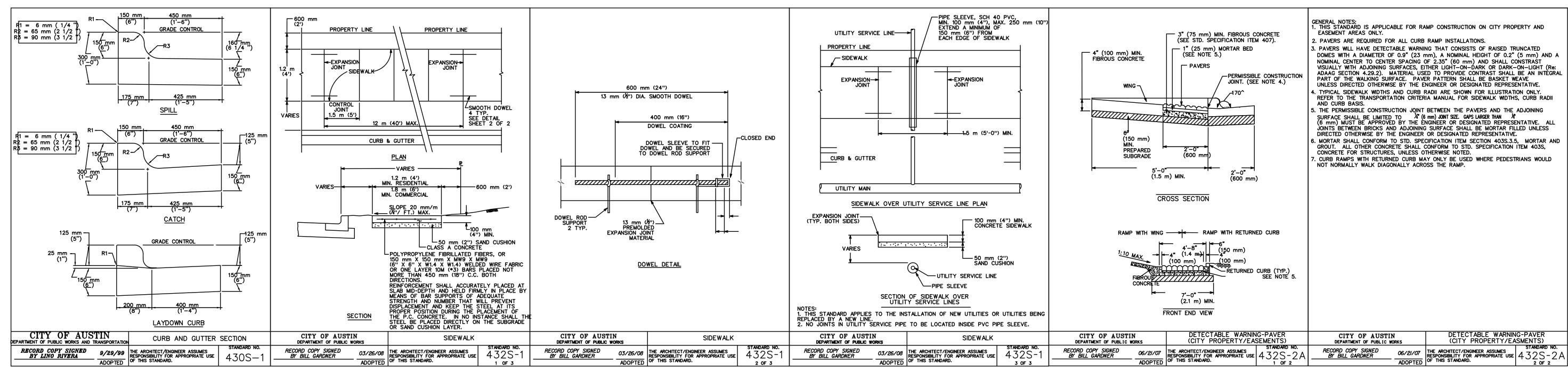
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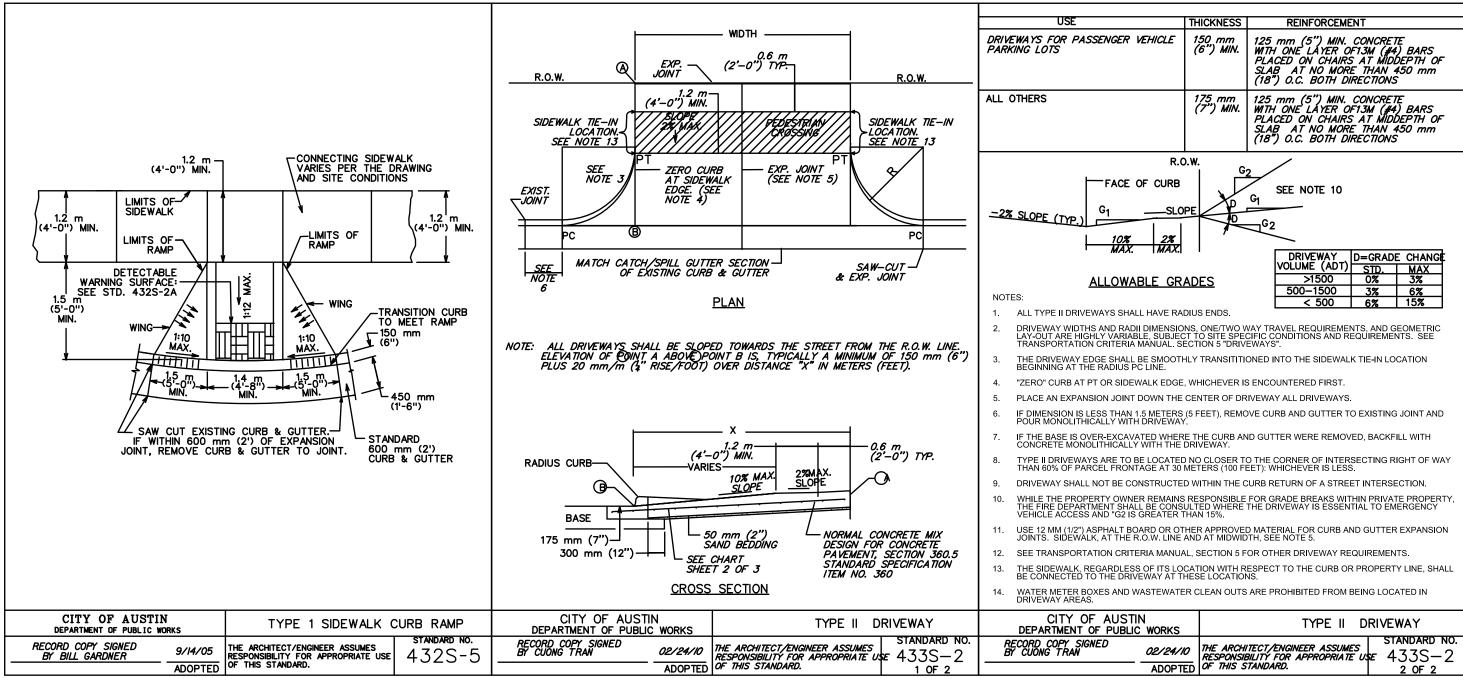
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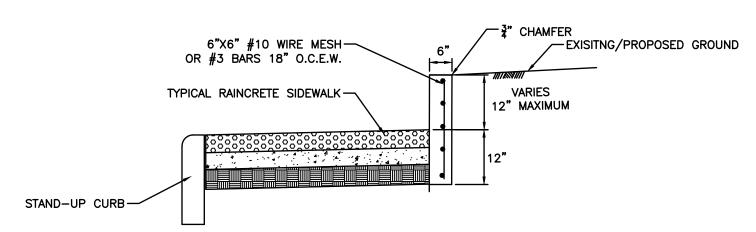
Revision:0 Sheet: 09 of 32

Drawing No.

SITE PLAN







N.T.S.

ORIGINAL SHEET - ARCH D

**COMBINATION SIDEWALK RETAINING WALL DETAIL** 

#### STANDARD CONSTRUCTION NOTES NOVEMBER 23, 2017

- 1. THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIALS AND METHODS USED
- 2. CONTRACTOR MUST OBTAIN A STREET CUT PERMIT FROM AUSTIN TRANSPORTATION DEPARTMENT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY
- CONTRACTOR SHALL NOTIFY AUSTIN TRANSPORTATION INSPECTION OR DEVELOPMENT SERVICES DEPARTMENT (DSD) INSPECTIONS AT THE
- ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF AUSTIN WATER AND

- 7. ALL MATERIALS TESTS ORDERED BY THE OWNER FOR QUALITY ASSURANCE PURPOSES, SHALL BE CONDUCTED BY AN INDEPENDENT
- WILL BE ALLOWED ONLY IN THE FOLLOWING CASES: A) A TEST SHUT OUT INDICATES AN ADEQUATE SHUT OUT TO PERFORM THE WORK IS NOT FEASIBLE B) MORE THAN 30 CUSTOMERS OR A SINGLE CRITICAL CUSTOMER (AS DEFINED BY AUSTIN WATER) WOULD BE IMPACTED BY
- THE SHUT OUT OR C) THE EXISTING WATER LINE WARRANTS IT. THRUST RESTRAINT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3(22) AND SPL WW 27-A and WW 27-F
- 10. FIRE HYDRANTS SHALL BE SET IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 511S.4 AND SHALL BE PAINTED FLYNT ALUMINUM OR EQUAL. FIRE HYDRANTS AND ASSOCIATED VALVES, TEN (10) YEARS AND OLDER WILL BE REQUIRED TO BE REPLACED WITH A NEW FIRE HYDRANT AND APPERTENUINANCES
- 11. WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AT THE PRESSURES SHOWN ON THE APPROVED PLANS.
- 12. ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND

**EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.** 

QUALIFICATION TRAINING CERTIFICATE ISSUED BY MCELROY OR COMPARABLE TRAINING PROGRAM

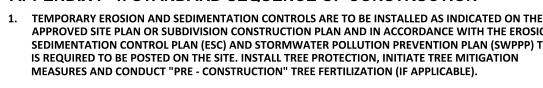
- 13. WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS PE, THE LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD OR REPLACED THE FULL LENGTH WITH TYPE K COPPER MATERIAL. ANY TIME PB IS DAMAGED OR TAMPERED WITH IN ANY WAY, THE SERVICE LINE SHALL BE REPLACED FULL LENGTH WITH TYPE K COPPER MATERIAL. NOTE: FULL LENGTH IS FROM CORPORATION STOP TO METER.
- 14. WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF SEVENTY-TWO (72) HOURS IN
- 15. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR SO THAT HE CAN NOTIFY THE AUSTIN WATER AT 972-0000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METERS BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION PLANS.
- 16. WATER AND WASTE WATER SERVICES WILL NEED TO BE REPLACED UP TO THE MAIN. REPAIR COUPLINGS ARE NOT ALLOWED ON NEW
- 17. ALL MANHOLES IN UNPAVED AREAS PROVIDING DIRECT ACCESS TO A WASTEWATER LINE SHALL BE WATERTIGHT AND BEAR THE WORDING AND INSIGNIA FOR THE CITY OF AUSTIN.
- 18. THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES, BELOW GROUND AND OVERHEAD,
- PRIOR TO STARTING ONSITE UTILITY WORK. 19. ALL WATER AND WASTEWATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPARATION DISTANCES INDICATED IN CHAPTER 290 - DRINKING WATER STANDARDS, CHAPTER 217 - DESIGN CRITERIA FOR SEWERAGE SYSTEMS AMD CHAPTER 210 - DESIGN CRIERIA FOR
- RECLAIMED SYSTEMS OF TCEQ RULES. 20. CONTRACTOR'S PERSONNEL THAT PERFORM BUTT FUSION AND ELECTROFUSION ON OR TO HDPE PIPE AND FITTINGS MUST HAVE CURRENT
- 21. SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF TEXAS, SHALL BE SUBMITTED FOR AUSTIN WATER APPROVAL FOR LARGE DIAMETER PRE-CAST MANHOLES, JUNCTION BOXES, WET WELLS, AND SIMILAR STRUCTURES. THE SHOP DRAWINGS SHALL INCLUDE FLOWLINE ELEVATIONS OF ALL INCOMING AND OUTGOING PIPES, ELEVATION OF TRANSITION FROM LARGE DIAMETER SECTIONS TO 48" ID SECTION, TOP OF MANHOLE ELEVATION, SURROUNDING GROUND ELEVATION, AS WELL AS SPECIAL CONSTRUCTION CONSIDERATIONS THAT ARE SPECIFIED IN THE CONTRACT DRAWINGS.
- 22. VALVE STEM EXTENSIONS SHALL CONSIST OF A SINGLE PIECE OF IRON ROD OF THE REQUIRED LENGTH WITH A SOCKET ON ONE END AND
- 23. ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE ESSENTIALLY "LEAD FREE" ACCORDING TO THE US SAFE DRINKING WATER ACT. EXAMPLES ARE VALVES (CORPORATION STOP, CURB STOP, AND PRESSURE REDUCING), NIPPLES, BUSHINGS, PIPE, FITTINGS, BACKFLOW PREVENTERS AND FIRE HYDRANTS. TAPPING SADDLES AND 2 INCH AND LARGER GATE VALVES ARE THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT EITHER BY MARKINGS ON THE COMPONENT OR ON THE PACKAGING SHALL NOT BE INSTALLED.
- 24. ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED AND RETURNED TO AUSTIN WATER. NOTICE SHOULD BE GIVEN 48 HOURS PRIOR TO RETURN TO: PIPELINE OPERATIONS DISTRIBUTION SYSTEM MAINTENANCE, VALVES AND HYDRANT SERVICES, SUPERVISING AW PIPELINE TECHNICIAN AT 512-972-1133
- 25. ALL EXISTING WATER METERS IDENTIFIED TO BE RELOCATED OR ABANDONED AT THE DEVELOPMENT, SHALL BE REMOVED FROM THE METER BOX PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE DSD INSPECTOR.
- 26. THE ENGINEER SHALL CALL OUT THE SIZE, TYPE AND USE (DOMESTIC OR IRRIGATION) OF ALL EXISTING WATER METERS TO BE RELOCATED OR REPURPOSED. WATER METER NUMBERS WILL NOT BE REQUIRED TO BE PLACED ON THE PLAN SHEET. A SEPARATE AUSTIN WATER TAPS OFFICE FORM WILL BE USED TO PROVIDE RELEVANT INFORMATION FOR THE EXISTING INFORMATION ON EXISTING METERS TO RECEIVE APPROPRIATE CREDITS. THIS FORM SHALL BE DIRECTLY SUBMITTED TO AUSTIN WATER TAPS OFFICE FOR REVIEW AND PROCESSING.
- 27. NO CONNECTION MAY BE MADE BETWEEN THE PRIVATE PLUMBING AND AUSTIN WATER INFRASTRUCTURE UNTIL A CITY APPROVED
- WATER METER HAS BEEN INSTALLED.

INSTALLTIONS.

- 28. ALL GRAVITY LINES SHALL BE INSTALLED DOWNSTREAM TO UPSTREAM. 29. METER BOXES AND CLEAN OUTS SHALL NOT BE LOCATED WITHIN PAVED AREAS SUCH AS DRIVEWAYS AND SIDEWALKS.
- 30. PROTECTED STREET STATUS IS SUBJECT TO CHANGE OVER TIME. IT IS THE OWNER'S RESPONSIBILITY TO CONFIRM THE STREET STATUS PRIOR TO CONSTRUCTION AS PROTECTED STREET STATUS WILL DIRECTLY IMPACT THE CONSTRUCTION COSTS. IF PROTECTED STREETS ARE PROPOSED TO BE DISTURBED, APPROVAL FROM THE STREET AND BRIDGE DIVISION OF THE TRANSPORTATION DEPARTMENT IS REQUIRED.

#### APPENDIX P-4: STANDARD SEQUENCE OF CONSTRUCTION

- SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION, INITIATE TREE MITIGATION
- TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED. IF NEEDED. TO COMPLY WITH CITY INSPECTORS' DIRECTIVES. AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER
- DRAINAGE CRITERIA MANUAL AND/OR THE ENVIRONMENTAL CRITERIA MANUAL. AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE
- TEMPORARY FROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER
- BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
- 7. IN THE BARTON SPRINGS ZONE, THE ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR WILL SCHEDULE A MID-CONSTRUCTION CONFERENCE TO COORDINATE CHANGES IN THE CONSTRUCTION SCHEDULE AND EVALUATE EFFECTIVENESS OF THE EROSION CONTROL PLAN AFTER POSSIBLE CONSTRUCTION ALTERATIONS TO THE SITE. PARTICIPANTS SHALL INCLUDE THE CITY INSPECTOR, PROJECT FNGINFER GENERAL CONTRACTOR AND ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR. THE ANTICIPATED COMPLETION DATE AND FINAL CONSTRUCTION SEQUENCE AND INSPECTION SCHEDULE
- 8. PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE
- 9. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF
- 10. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE DESIGN ENGINEER SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE BEARING THE ENGINEER'S SEAL, SIGNATURE, AND DATE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE
- 11. UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT SHALL SUBMIT A LETTER OF CONCURRENCE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT THE REQUIRED LANDSCAPING IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE
- 12. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND



THE ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR MUST CONTACT THE DEVELOPMENT SERVICES DEPARTMENT, ENVIRONMENTAL INSPECTION, AT 512-974-2278, 72 HOURS PRIOR TO THE

OURSE OF CONSTRUCTION UNTIL INSTALLATION OF THE PERMANENT WATER QUALITY POND(S).

POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.

WILL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR.

INSTALLED PRIOR TO/CONCURRENTLY WITH REVEGETATION OF SITE.

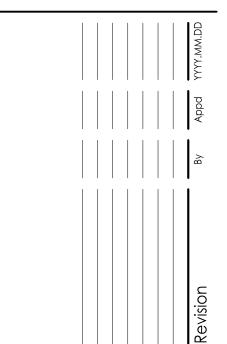
- APPROPRIATE CITY INSPECTOR.
- CITY INSPECTOR.

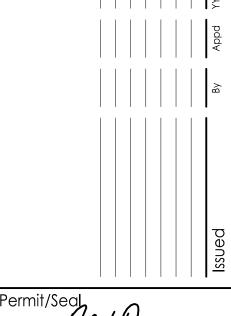
CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

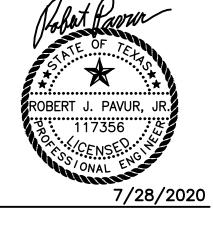
COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS.











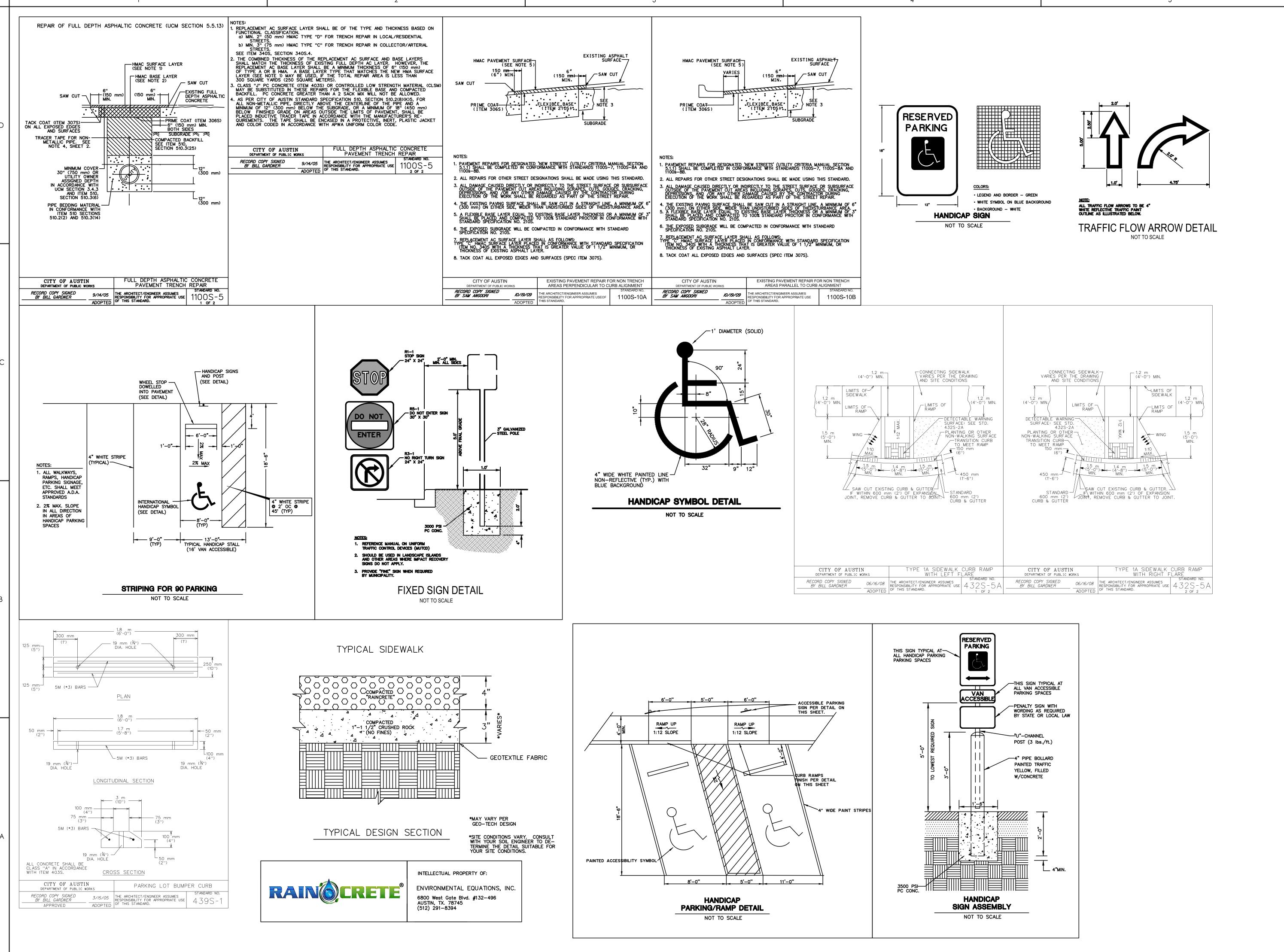
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SITE PLAN NOTES AND DETAILS

Revision:0 Sheet: 10 of 32

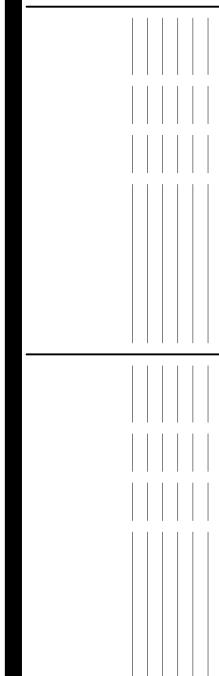
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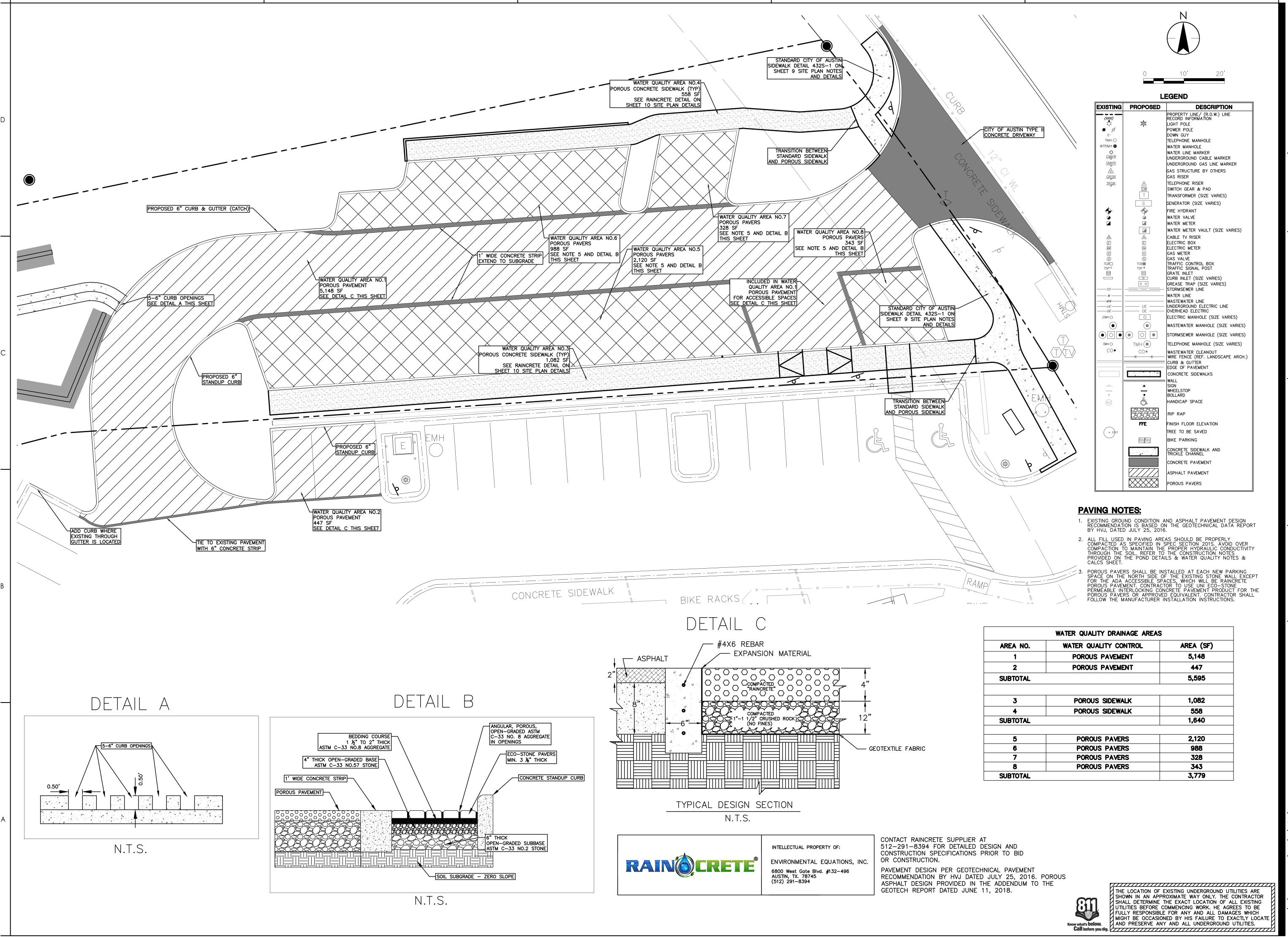
4701 1/2 LOYOLA LANE AUSTIN, TRAVIS COUNTY

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SITE PLAN DETAILS

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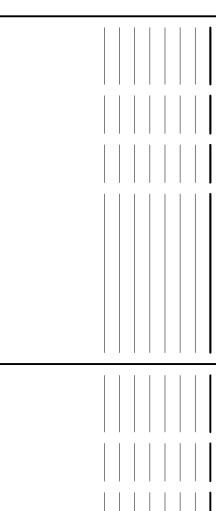


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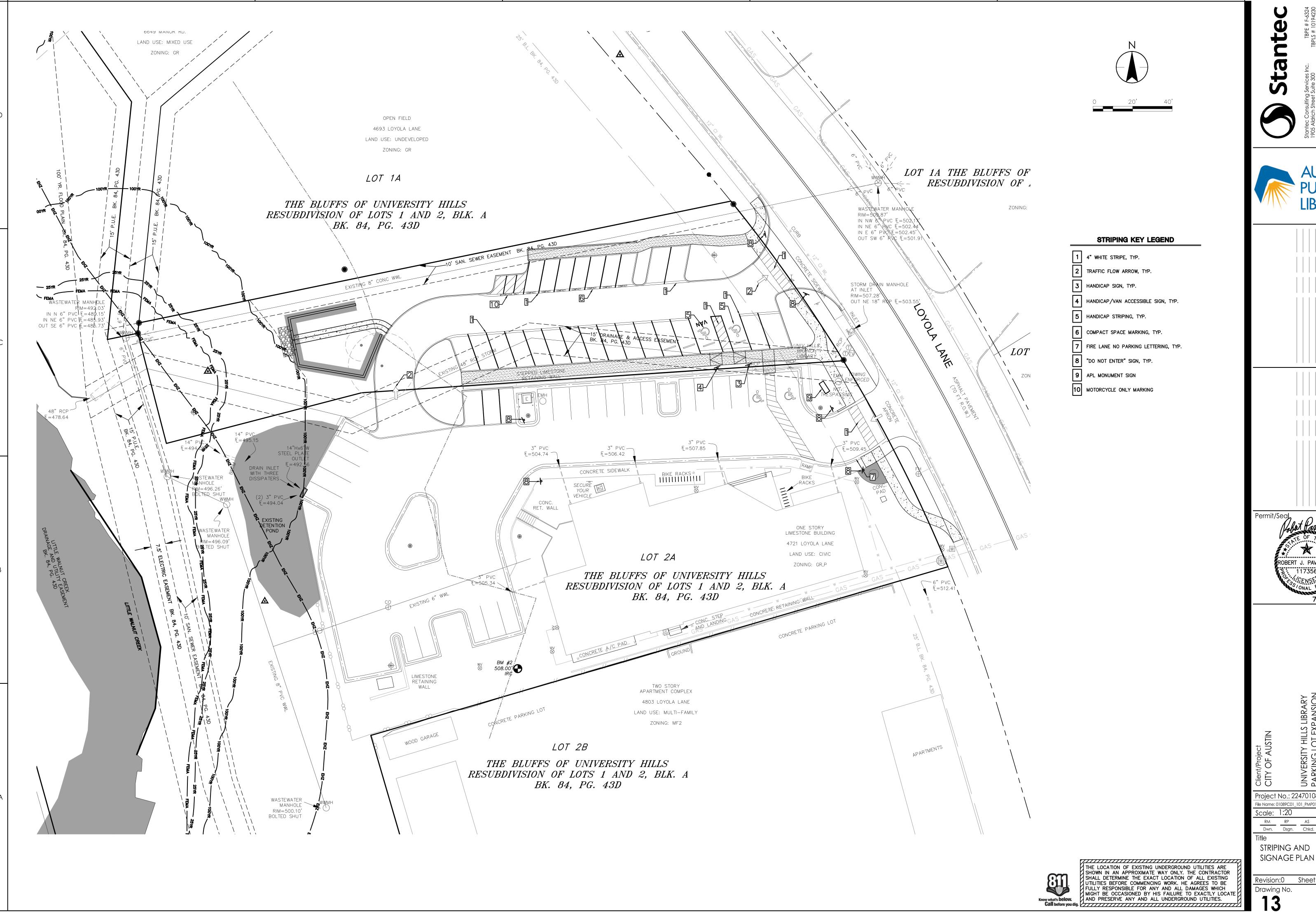


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PAVING PLAN &
WATER QUALITY
DRAINAGE AREA MAP

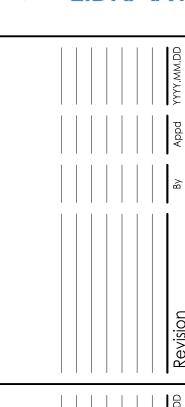
Revision: Sheet: 12 of 32

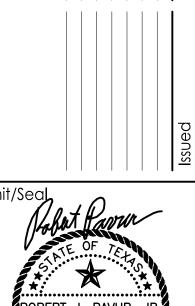
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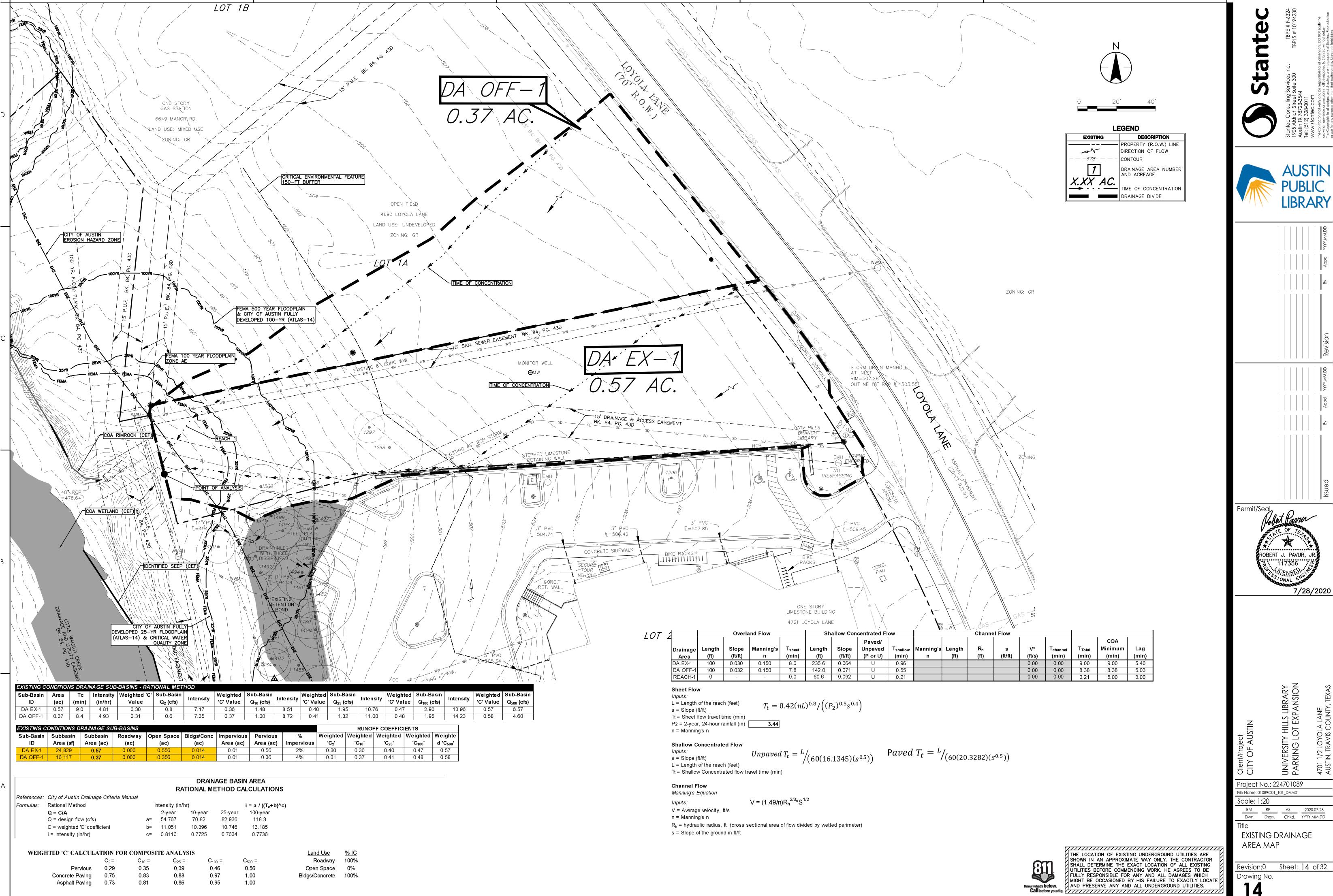
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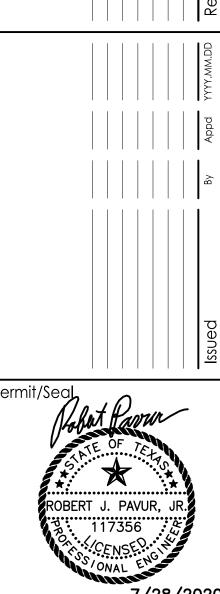
 
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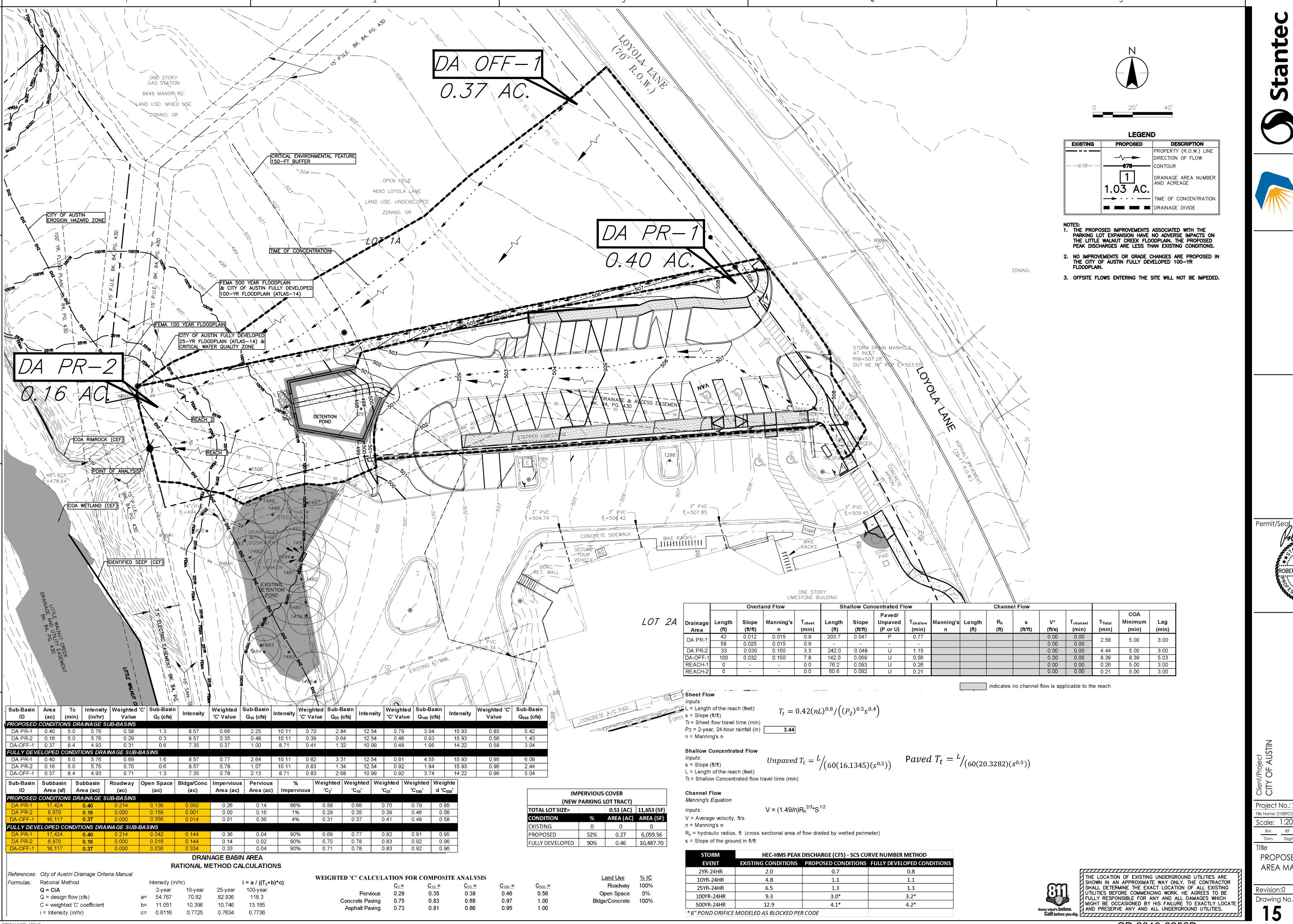
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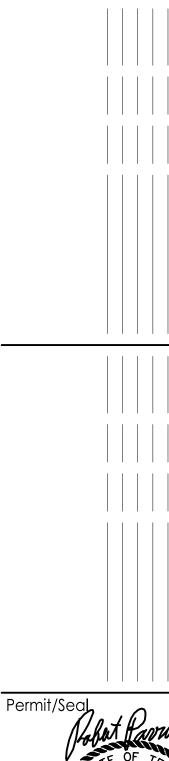












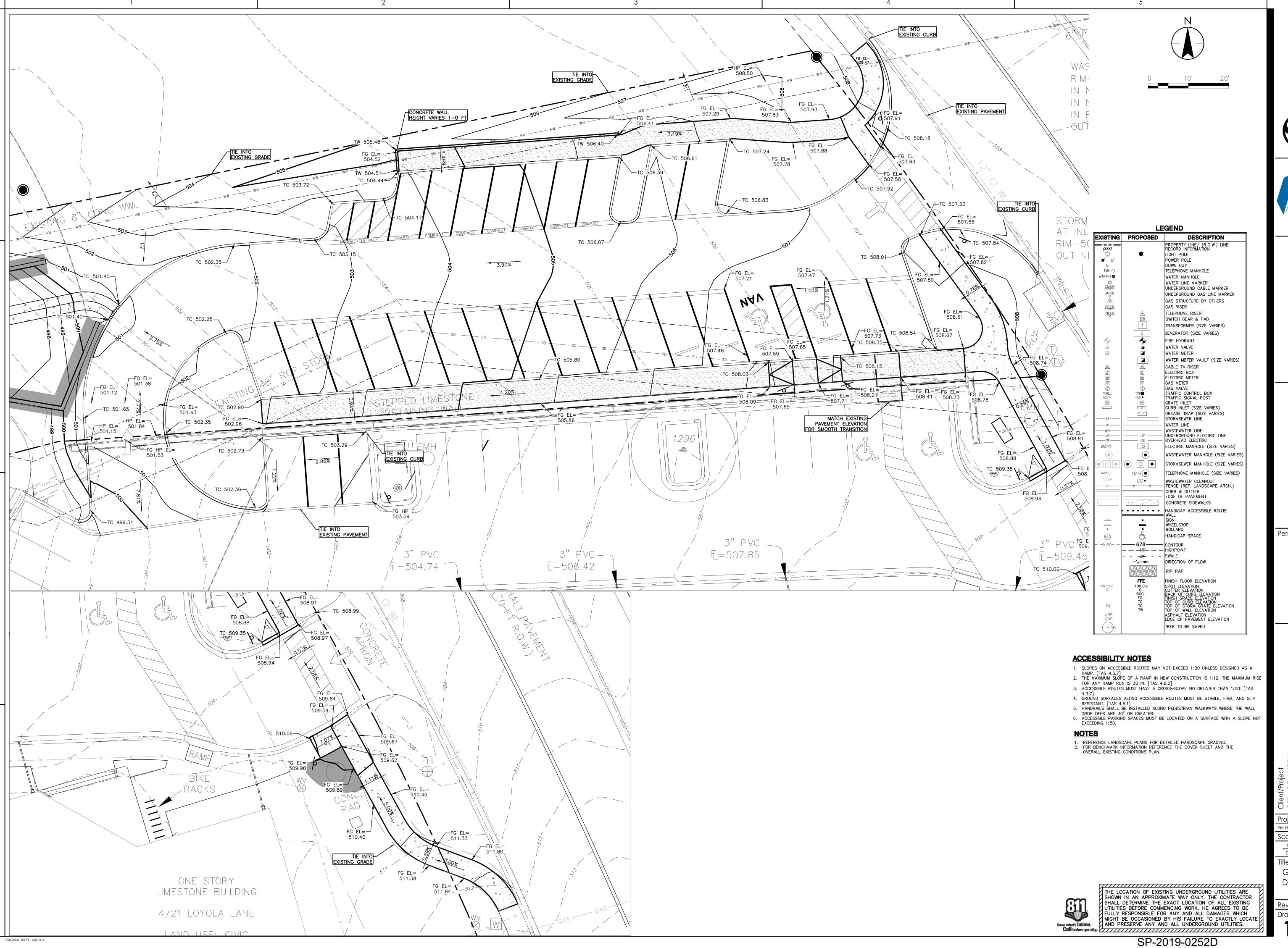
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PROPOSED DRAINAGE AREA MAP

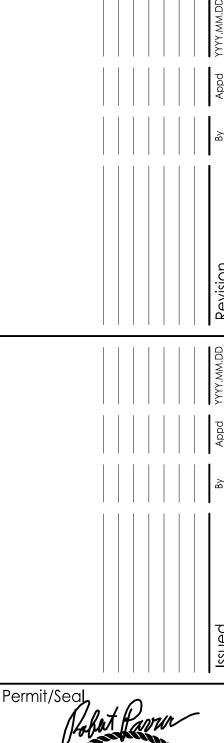
Revision:0 Sheet: 15 of 32



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PARKING LOT EXPANSION
4701 1/2 LOYOLA LANE
AUSTIN, TRAVIS COUNTY, TEXAS

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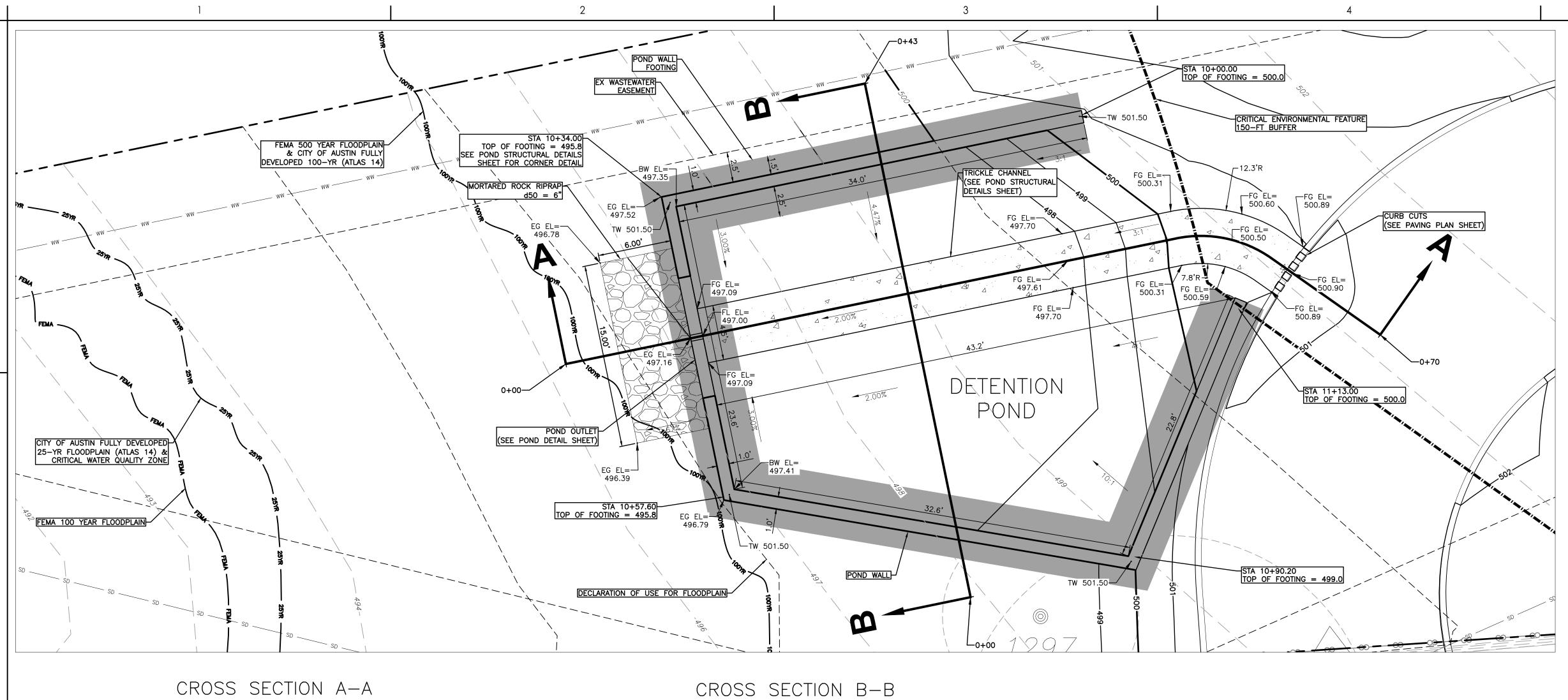
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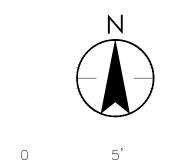
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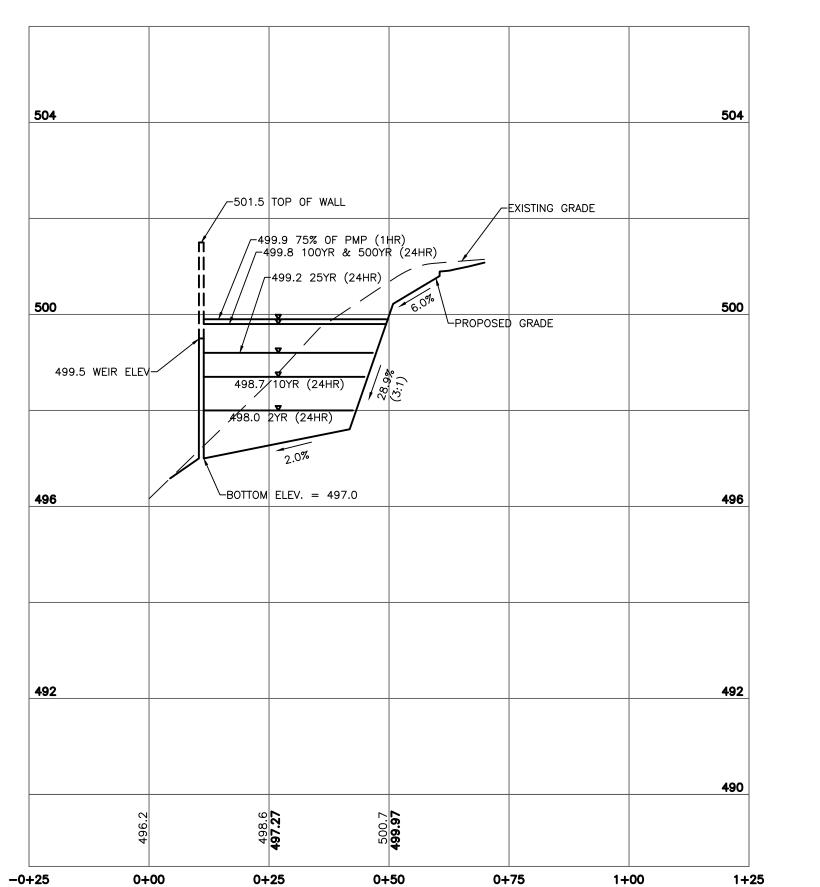
GRADING AND DRAINAGE PLAN

Revision:0 Sheet: 16 of 32 Drawing No.

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498.7 10YR (24HR)  498.0 2YR (24HR)  498.0 2YR (24HR)  4.0% SIDE SLOPES FOR TRICKLE CHANNEL  498.0 2YR (24HR)		497.9	o m	97.35		
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)  -4.0% SIDE SLOPES FOR TRICKLE CHANNEL						492
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)  -4.0% SIDE SLOPES FOR TRICKLE CHANNEL						
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)  -4.0% SIDE SLOPES FOR TRICKLE CHANNEL						
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)  -4.0% SIDE SLOPES FOR TRICKLE CHANNEL						
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)  -4.0% SIDE SLOPES FOR TRICKLE CHANNEL	496					496
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  -498.7 10YR (24HR)  -498.0 2YR (24HR)		воттом	/	V 4.0% SIDE S	LOPES CHANNEL	
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  500  500  500  EXISTING GRADE						
500  -499.9 75% OF PMP (1HR)  -499.8 100YR & 500YR (24HR)  -499.2 25YR (24HR)  500					<u></u> EXI	STING GRADE
-499.9 75% OF PMP (1HR) -499.8 100YR & 500YR (24HR)			· ·	724HR)		
7499.9 75% OF PMP (1HR) 7499.8 100YR &	500		499.2 25	R (24HR)		500
/-501.5 TOP OF WALL			<b>7</b> 7499.9 75%	OF PMP (1HF	2)	
			_501.5 TOP	OF WALL		

ELEVATION 12 4.	ELEVATION
PROPOSED GRADE	1"= 2' VERTICAL
PROFILE LEGEND:  EXISTING GRADE — —	PROFILE SCALE:  1"= 20' HORIZONTAL

Storm Event	POND DISCHARGE	POND ELEV.	<b>POND STORAGE</b>
<b>EVENT</b>	(CFS)	(FT)	(AC-FT)
2YR-24HR	0.8	498.0	0.008
10YR-24HR	1.2	498.7	0.022
25YR-24HR	1.3	499.2	0.033
100YR-24HR^	3.3	499.8	0.047
500YR-24HR^	4.6	499.8	0.048
PMP-1hr*^	7.0	499.9	0.051

0.0080

0.0187

0.0216

0.0229

0.0242

0.0253

POND STAGE-STORAGE TABLE

86.6

289.7

438.2

484.8

513.6

539.2

565.7

(SF) (AC) (CU FT) (AC-FT) (CU FT)

INCREMENTAL STORAGE CUMULATIVE STORAGE

86.6

376.3

814.5

1,299.3

1,813.0

2,352.2

2,917.9 0.0670

0.0187

0.0298

0.0416

0.0540

0.0020

0.0067

0.0101

0.0111

0.0118

0.0124

0.0130

\*75% OF THE PMP ^6" POND ORIFICE MODELED AS BLOCKED PER CODE

346.4

812.4

940.4

1,055.5

1,161.5 0.0267

# NOTES:

1. ALL POND BOTTOM, SIDE SLOPES AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH COA STANDARD SPECIFICATION.



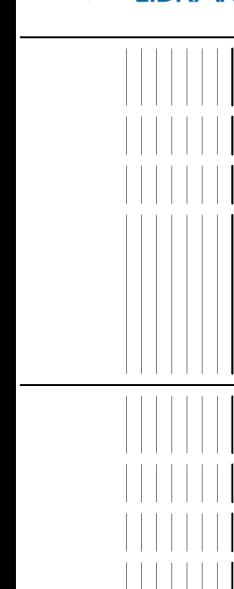
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

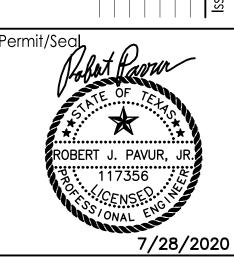
Call before you dig.

Stante







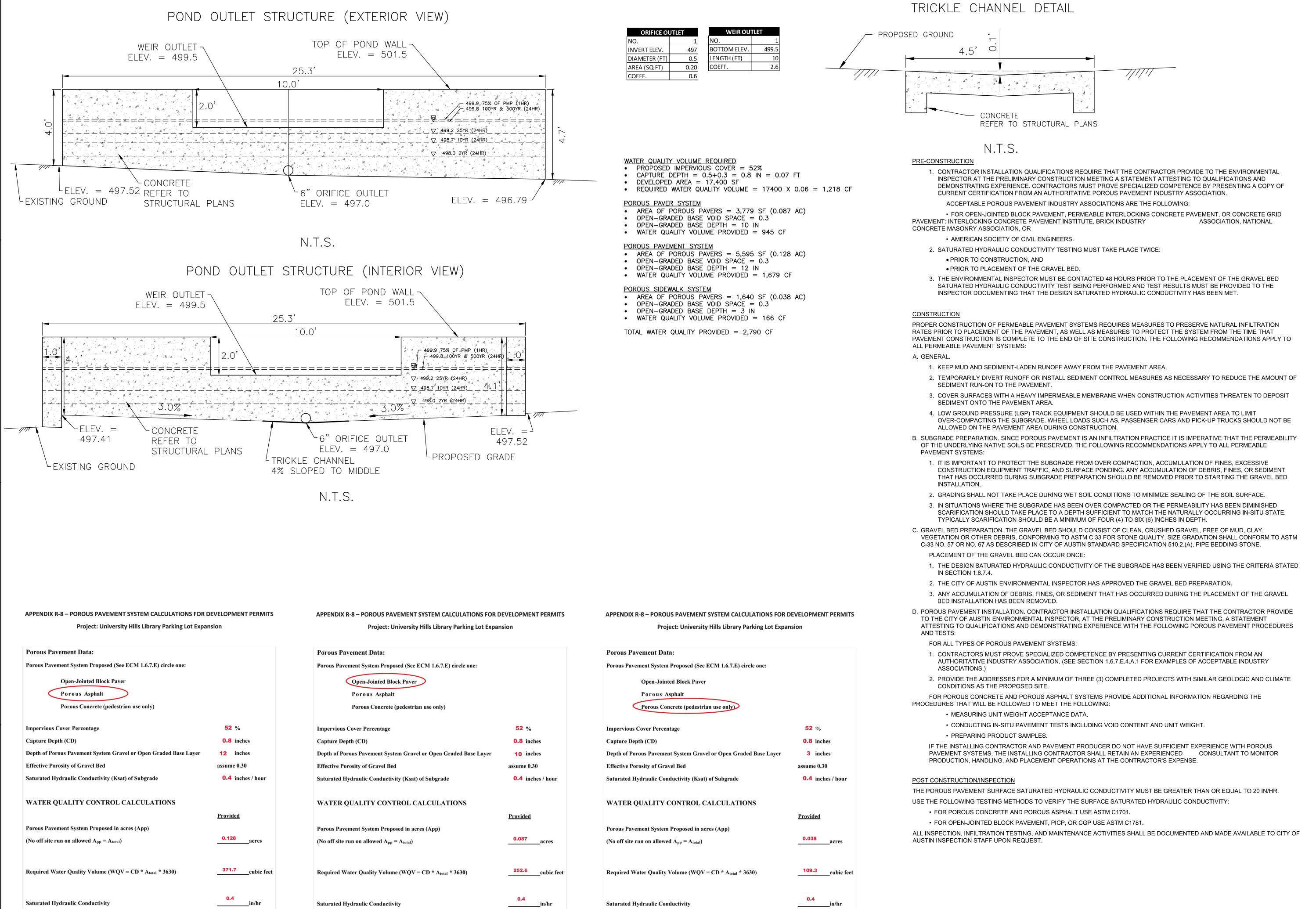


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DETENTION POND PLAN

Revision:0 Sheet: 17 of 32 Drawing No.



**Porous Pavement System Drawdown Time** 

Porous Pavement System Drawdown Time

ORIGINAL SHEET - ARCH D

**Porous Pavement System Drawdown Time** 

Permit/Seal ROBERT J. PAVUR, JE

7/28/2020

Project No.: 224701089 File Name: 01089C01 101 PND02

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POND DETAILS &

WATER QUALITY NOTES & CALCS

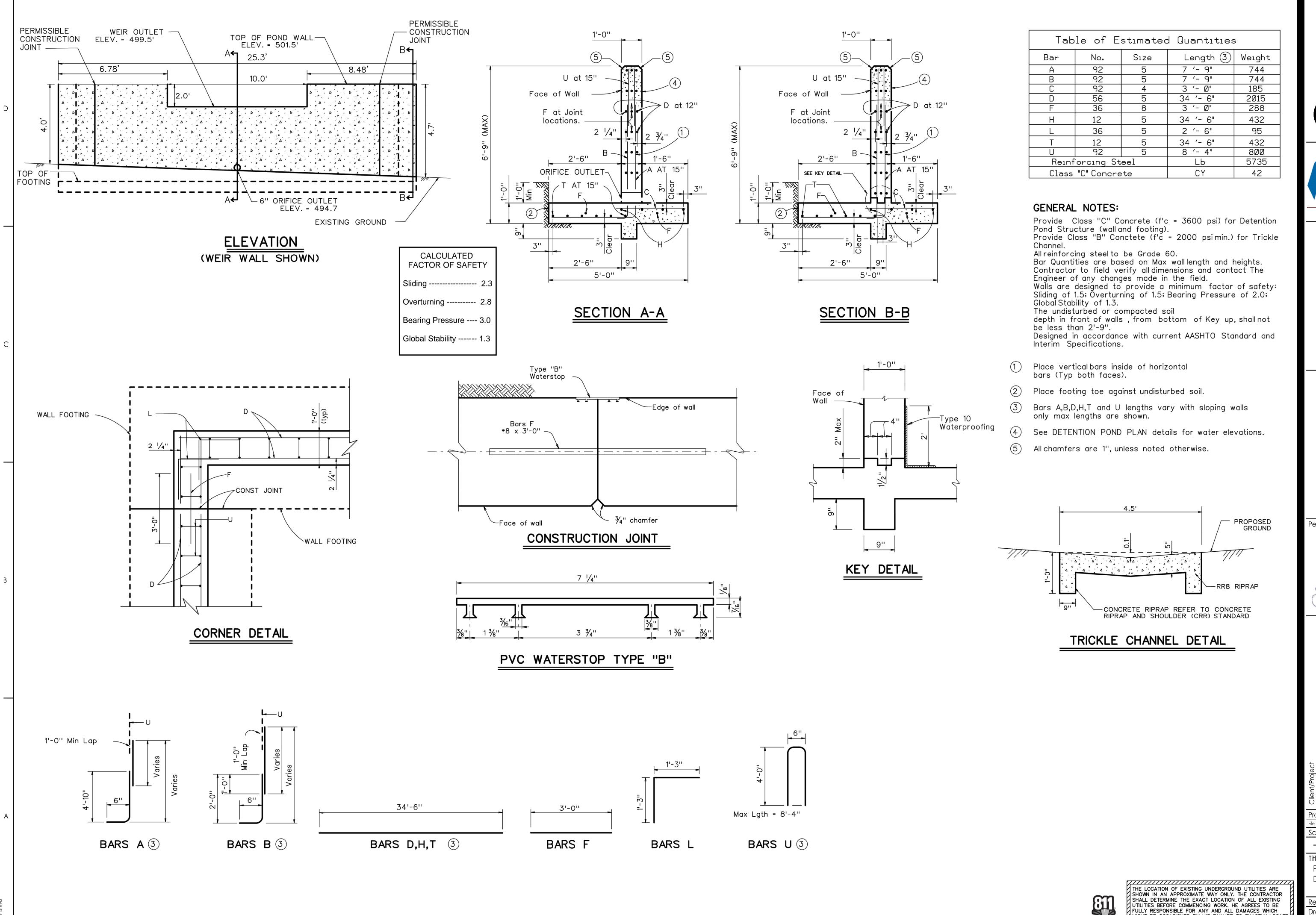
Revision:0 Sheet: 18 of 32 Drawing No.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE

SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING

UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH

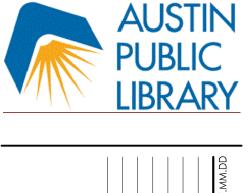
MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE

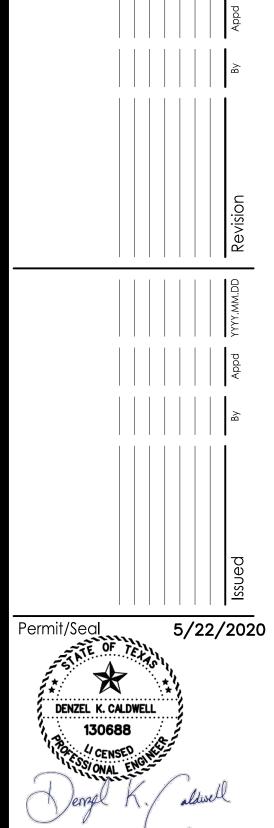


Stanting Services Inc.
TBPE # F-63
TS3-3544
S-0011









CITY OF AUST CITY OF AUST UNIVERSITY HI PARKING LOT 4701 1/2 LOYOL, AUSTIN, TRAVIS C	<u>Z</u>	ILLS LIBRARY • EXPANSION	A LANE SOUNTY, TEXAS
	CITY OF AUSTIN	UNIVERSITY HILLS LIBRARY PARKING LOT EXPANSION	4701 1/2 LOYOLA LANE AUSTIN, TRAVIS COUNTY, TEXAS
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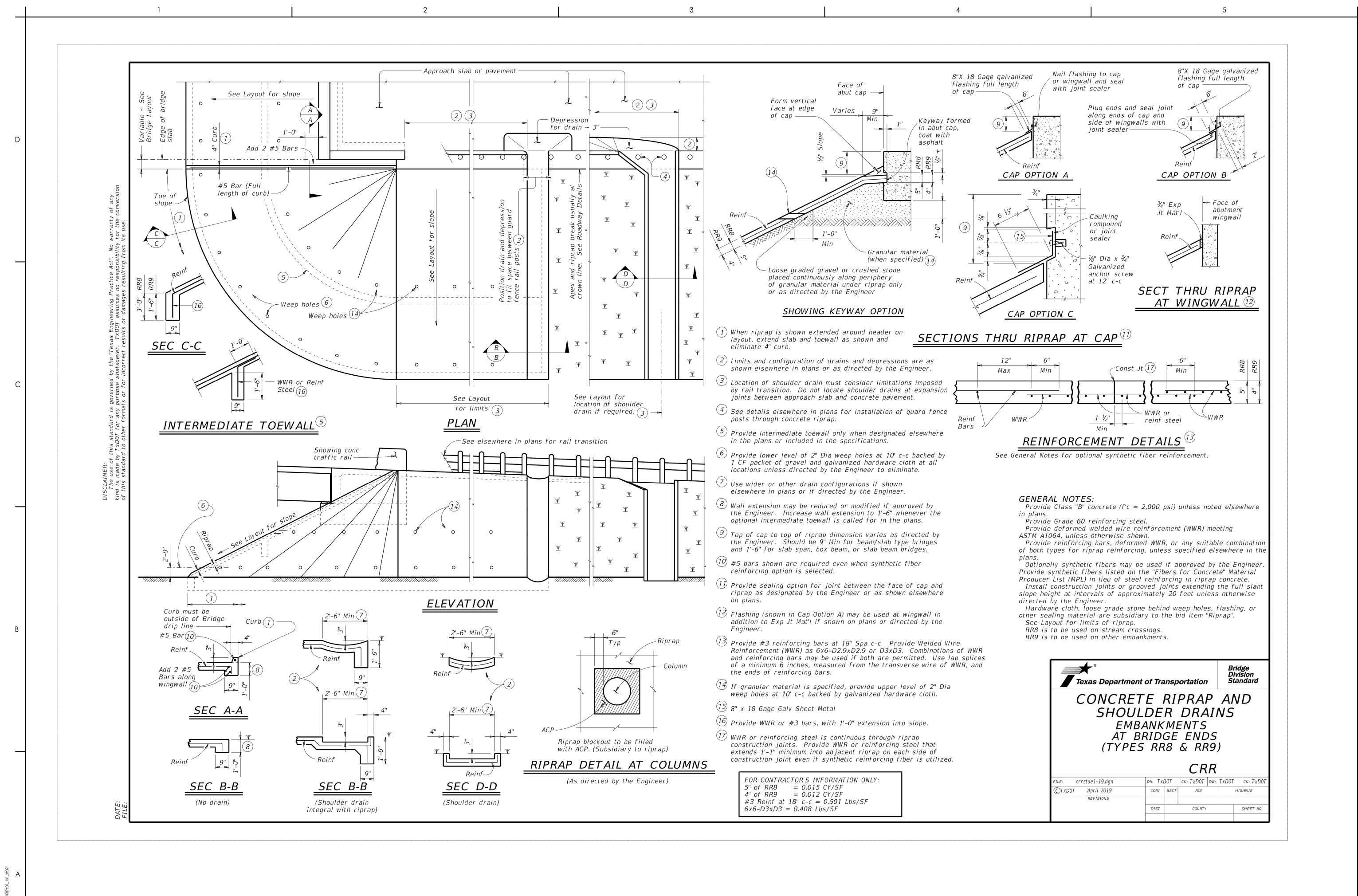
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POND STRUCTURAL DETAILS

Revision:0 Sheet: 19 of 32

Drawing No.

MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE



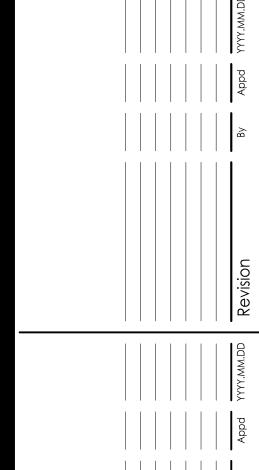
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE Know what's below.

AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

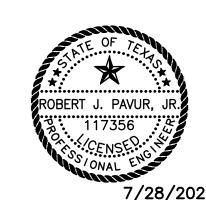
Call before you dig.

tante





Permit/Seal



ERSITY HILLS LIBRARY (ING LOT EXPANSION 4701 1/2 LOYOLA LANE AUSTIN, TRAVIS COUNTY

Project No.: 224701089

ile Name: 01089C01 101 STR02

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TXDOT CRR DETAIL

Revision:0 Sheet: 20 of 32 Drawing No.

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL OVERHEAD AND UNDERGROUND UTILITIES (INCLUDING THOSE PROPOSED WITH THIS PROJECT, I.E. IRRIGATION, WASTEWATER, WATER, STORM SEWER, GAS, TELECOM, FIBER OPTIC, ELECTRIC, ETC.) PRIOR TO STARTING WORK.

2. INFORMATION PROVIDED ON THIS PLAN IS GENERAL IN NATURE; DIMENSIONS, AREAS, AND DISTANCES ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO BIDDING. DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

- 3. THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE HIM/HERSELF WITH ALL PLANS, SPECIFICATIONS AND THE SITE PRIOR TO BIDDING. FAILURE TO DO SO WILL NOT REDUCE THE CONTRACTOR'S OBLIGATION TO PERFORM THE WORK AS DESCRIBED FOR THE PRICE BID.
- 4. QUANTITIES SHOWN ARE INTENDED TO ASSIST CONTRACTORS IN EVALUATING THEIR OWN TAKE OFFS AND ARE NOT GUARANTEED AS ACCURATE REPRESENTATIONS OF REQUIRED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS BID QUANTITIES AND IS REQUIRED TO REFLECT THE DESIGN INTENT.
- 5. ALL PLANT MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, OR
- 6. NO SUBSTITUTIONS OF PLANT MATERIAL LOCATIONS, SPECIES OR SIZE WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 7. AS PART OF THE BASE BID, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE MAINTENANCE AS INDICATED IN THE PROJECT SPECIFICATIONS (INCLUDING, BUT NOT LIMITED TO MOWING, WATERING, REPLACEMENT OF UNACCEPTABLE, DISEASED OR DEAD PLANTS, ETC.) AND WEED CONTROL UNTIL FINAL ACCEPTANCE BY OWNER.
- 8. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL TO BE ALIVE AND BE IN A HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF THE ENTIRE PROJECT OR OTHER DATE(S) ESTABLISHED BY THE LANDSCAPE ARCHITECT, OR OWNER, EXCEPT AS MAY RESULT FROM NEGLECT OR DAMAGE BY THE OWNER OR DAMAGE BY OTHERS.
- 9. CONTRACTOR SHALL REPLACE ALL DEAD, AND/OR UNHEALTHY PLANT MATERIALS AND/OR PLANT MATERIALS THAT HAVE PARTIALLY DIED PURSUANT TO THE CONDITION OF THE WARRANTY AT NO EXPENSE TO THE OWNER. DEAD MATERIALS MUST BE REPLACED WITHIN 10 BUSINESS DAYS PER TECHNICAL PROVISIONS. RE-WARRANT REPLACEMENT PLANTS FOR AN ADDITIONAL ONE YEAR UNDER THE SAME TERMS AS THE ORIGINAL WARRANTY. PLANT MATERIALS USED FOR REPLACEMENT SHALL BE THE SAME SPECIES, SIZE AND SHAPE.
- 10. ALL PLANTS SHALL BE HEALTHY, VIGOROUS AND REPRESENTATIVE OF THE SPECIES SPECIFIED. ALL PLANTS SHALL BE WELL BRANCHED, PROPORTIONED, AND FREE OF ALL INSECTS, DISEASES, BARK BRUISES, SCRAPES, CRACKED BRANCHES AND PHYSICAL DAMAGE. PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO PLANT MATERIALS WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL SHALL BE REMOVED AT TIME OF PLANTING, AS SHOWN ON DETAILS.
- 11. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
- 12. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
- 13. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 14. INSTALLATION OF LANDSCAPE SHALL BE PERFORMED BY A QUALIFIED LANDSCAPE INSTALLER WITH A MINIMUM OF FIVE YEARS CONTINUOUS EXPERIENCE OF INSTALLING LANDSCAPE PLANTINGS OF SIMILAR SIZE AND SCOPE.
- 15. CONTRACTOR SHALL PROVIDE MAINTENANCE FOR LANDSCAPE & IRRIGATION SYSTEM FOR 12 MONTHS FOLLOWING FINAL ACCEPTANCE OF ENTIRE PROJECT.
- 16. LANDSCAPE MATERIALS SHALL BE LOCATED SO AS NOT TO OBSTRUCT VISUAL OR PHYSICAL ACCESS TO FIRE HYDRANTS. ALL LANDSCAPE MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH UTILITY COMPANY REQUIREMENTS AT TRANSFORMERS, METERS, OVERHEAD LINES, ETC. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- 17. EXECUTE ALL LANDSCAPING AND REVEGETATION PRIOR TO REQUEST FOR CERTIFICATE OF OCCUPANCY, FINAL INSPECTION OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER. HOWEVER, NO PLANT MATERIALS SHALL BE INSTALLED BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE LANDSCAPE ARCHITECT. OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. FULLY PREPARE ALL LANDSCAPE BEDS (INCLUDING IRRIGATION) PRIOR TO INSTALLATION OF LANDSCAPE PLANTS.
- 18. SITE STOCKPILED TOPSOIL MAY BE USED IF IT HAS BEEN DEEMED ACCEPTABLE IN QUALITY AND APPROVED BY LANDSCAPE ARCHITECT.
- 19. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE
- 20. THE LANDSCAPE CONTRACTOR SHALL PROVIDE AN IRRIGATION SYSTEM FULLY COMPLIANT WITH TCEQ REQUIREMENTS AND COMPLIANT WITH THE LANDSCAPE IRRIGATION NOTES AND CONTRACT SPECIFICATIONS.
- 21. IF ESTABLISHING VEGETATION DURING ANY STAGE OF A DROUGHT, SECTION 6-4-30 MAY REQUIRE A VARIANCE. CONTACT AUSTIN WATER CONSERVATION STAFF AT WATERUSECOMPVAR@AUSTINTEXAS.GOV OR
- 22. ALL LANDSCAPED AREAS ARE TO BE PROTECTED BY 6 INCH WHEEL CURBS, WHEELSTOPS OR OTHER APPROVED BARRIERS AS PER ECM 2.4.7. [LDC 25-2-1004(A), ECM 2.4.7(A)]

# LANDSCAPE MAINTENANCE NOTES

BEFORE DIGGING.

CALL (512) 974-2199.

- 1. THE OWNER WILL CONTINUOUSLY MAINTAIN REQUIRED LANDSCAPING IN ACCORDANCE WITH CITY OF AUSTIN LAND DEVELOPMENT CODE, SECTION 25-2-984
- A) REGULAR MAINTENANCE OF ALL REQUIRED LANDSCAPE AREAS AND PLANT MATERIAL IN A VIGOROUS AND HEALTHY CONDITION., FREE FROM DISEASE, PESTS, WEEDS, AND LITTER. THIS MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZATION, PRUNING, MOWING, EDGING, MULCHING OR OTHER NEEDED MAINTENANCE, IN ACCORDANCE WITH GENERALLY ACCEPTED HORTICULTURAL.
- B) THE REPAIR OR REPLACEMENT OF REQUIRED LANDSCAPE STRUCTURES (WALLS, FENCES, ETC.) TO A STRUCTURALLY SOUND CONDITION.
- C) THE REGULAR MAINTENANCE, REPAIR, OR REPLACEMENT, WHERE NECESSARY, OF ANY REQUIRED SCREENING OR BUFFERING.
- D) ALL OPEN SPACE AREAS THAT ARE TO BE PRESERVED AS NATURAL PLANT COMMUNITIES SHALL BE TRIMMED, AT LEAST ONCE A YEAR, OF ALL EXOTIC VEGETATION, LAWN GRASSES, TRASH, OR OTHER DEBRIS. NATURAL AREA SHOULD BE MULCHED, PRUNED AND OTHERWISE MAINTAINED SO THAT PLANTS ARE VIGOROUS.

# LANDSCAPE CERTIFICATION

ORIGINAL SHEET - ARCH D

I, DAVID CAZARES, A PROFESSIONAL LANDSCAPE ARCHITECT, DO HEREBY CERTIFY THAT ALL INFORMATION SHOWN TO BE TRUE AND ACCURATE AND THAT THIS PLAN SATISFIES THE WRITTEN REQUIREMENTS OF THE LANDSCAPE REGULATIONS. CHAPTER 25-2. SUBCHAPTER C. ARTICLE 9 OF THE LAND DEVELOPMENT CODE

#### LANDSCAPE IRRIGATION NOTES

AUTOMATIC IRRIGATION SYSTEMS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS. THESE REQUIREMENTS SHALL BE NOTED ON THE SITE DEVELOPMENT PERMIT AND SHALL BE IMPLEMENTED AS PART OF THE LANDSCAPE INSPECTION:

- 1. A NEW COMMERCIAL AND MULTI-FAMILY IRRIGATION SYSTEM MUST BE DESIGNED AND INSTALLED SO
- (A) THERE IS NOT DIRECT OVERSPRAY ONTO NON-IRRIGATED AREAS;
- (B) THE SYSTEM DOES NOT INCLUDE SPRAY IRRIGATION ON AREAS LESS THAN SIX (6) FEET WIDE (SUCH AS MEDIANS, BUFFER STRIPS, AND PARKING LOT ISLANDS)
- (C) ABOVE-GROUND IRRIGATION EMISSION DEVICES ARE SET BACK AT LEAST SIX (6) INCHES FROM IMPERVIOUS SURFACES;
- (D) THE IRRIGATION SYSTEM HAS A MASTER VALVE;
- (E) CIRCUIT REMOTE CONTROL VALVES HAVE ADJUSTABLE FLOW CONTROLS;
- (F) SERVICEABLE IN-HEAD CHECK VALVES ARE ADJACENT TO PAVED AREAS WHERE ELEVATION DIFFERENCES MAY CAUSE LOW HEAD DRAINAGE;
- (G) THE IRRIGATION SYSTEM HAS A CITY- APPROVED WEATHER BASED CONTROLLER;
- (H) AN AUTOMATIC RAIN SHUT-OFF DEVICE SHUTS OFF THE IRRIGATION SYSTEM AUTOMATICALLY AFTER NOT MORE THAN A ONE-HALF INCH (1/2") RAINFALL;
- (I) ZONE VALVES AND CIRCUITS ARE SEPARATED BASED ON PLANT WATER REQUIREMENTS;
- (J) AN IRRIGATION EMISSION DEVICE (SUCH AS SPRAY, ROTOR, OR DRIP EMITTER) DOES NOT EXCEED THE MANUFACTURER'S RECOMMENDED OPERATING PRESSURE; AND
- (K) NO COMPONENT OF THE IRRIGATION SYSTEM DEVIATES FROM THE MANUFACTURER'S RECOMMENDED USE OF THE PRODUCT.
- 2. THE MAXIMUM SPACING BETWEEN SPRAY OR ROTARY SPRINKLER HEADS MUST NOT EXCEED THE RADIUS OF THROW OF THE HEAD UNLESS MANUFACTURER OF THE SPRINKLER HEAD SPECIFICALLY RECOMMENDS A GREATER SPACING. THE RADIUS OF THROW IS DETERMINED BY REFERENCE TO THE MANUFACTURER'S SPECIFICATIONS FOR A SPECIFIC NOZZLE AT A SPECIFIC OPERATING PRESSURE.
- 3. THE IRRIGATION INSTALLER SHALL DEVELOP AND PROVIDE AN AS-BUILT DESIGN PLAN AND WATER BUDGET TO THE CITY AT THE TIME THE FINAL PLUMBING INSPECTION IS PERFORMED. THE WATER BUDGET SHALL INCLUDE:
- (A) A CHART CONTAINING ZONE NUMBERS, PRECIPITATION RATE, AND GALLONS PER MINUTE; AND
- (B) THE LOCATION OF THE EMERGENCY IRRIGATION SYSTEM SHUT-OFF VALVE. A LAMINATED COPY OF THE WATER BUDGET SHALL BE PERMANENTLY INSTALLED INSIDE THE IRRIGATION CONTROLLER DOOR.
- 4. THE IRRIGATION INSTALLER SHALL PROVIDE A REPORT TO THE CITY ON A FORM PROVIDED BY THE AUSTIN WATER UTILITY DEPARTMENT CERTIFYING COMPLIANCE WITH SUBSECTION 1 WHEN THE FINAL PLUMBING INSPECTION IS PERFORMED BY THE CITY.
- 5. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT PLAN TO OWNER, OR OWNER'S DESIGNATED REPRESENTATIVE SHOWING ALL IRRIGATION COMPONENTS AND SIZE OF COMPONENTS, INCLUDING WATER PRESSURE, MAIN LINE, LATERAL LINES, VALVES, HEADS, BACKFLOW DEVICE, CONTROLLER, QUICK COUPLERS, ETC.
- 6. COMPLY WITH ALL APPLICABLE TCEQ IRRIGATION RULES AND REGULATIONS.
- 7. CONTRACTOR IS TO VERIFY PRESSURE AND WATER SUPPLY CHARACTERISTICS ARE ADEQUATE FOR THIS INSTALLATION. ANY DISCREPANCIES OR INADEQUACIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY, BEFORE STARTING CONSTRUCTION. DESIGN PRESSURE IS 65 PSI AT 45 GMP.
- 8. CONTRACTOR SHALL OBTAIN ALL PERMITS AND HANDLE ALL INSPECTIONS FOR THIS WORK AS REQUIRED
- BY LOCAL REGULATIONS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE PERMIT(S). 9. VERIFY LOCATION OF CONTROLLER, WATER SUPPLY; SITE CONDITIONS MAY VARY. OPERABLE IRRIGATION EQUIPMENT (VALVES, QUICK COUPLERS, BFP, ETC.) SHALL BE INSTALLED SEPARATELY IN VALVE BOXES.
- 10. ALL HEADS SHALL BE INSTALLED ON TRIPLE SWING JOINTS, HEADS SHALL NOT BE LOCATED CLOSER THAN 6" FROM PAVEMENT.
- 11. ADJUST RADII AND SPRAY PATTERNS TO ELIMINATE OVERSPRAY ONTO BUILDINGS, SIDEWALKS, FENCES, DRIVEWAYS, ROADWAYS, ETC.
- 12. ALL PAVEMENT CROSSINGS (LATERALS, WIRING, MAINLINE, ETC.) SHALL OCCUR WITHIN SLEEVES, INCLUDING SIDEWALKS, DRIVEWAYS, TRAILS, BIKE WAYS, ROADWAYS, ETC.
- 13. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL UTILITY COMPANIES THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES. IMMEDIATELY REPORT ANY BREAKAGES TO THE APPROPRIATE UTILITY COMPANY.
- 14. THE CONTRACTOR IS TO INSTALL ALL SLEEVES IN SEQUENCE WITH OTHER CONSTRUCTION ACTIVITIES. AND WILL BE RESPONSIBLE FOR COORDINATING WITH OTHER SITE CONTRACTORS FOR THIS WORK. ADEQUATELY MARK THE LOCATIONS OF ALL SLEEVES AND PIPE CONNECTION POINTS TO EXISTING LINES.
- 15. INSTALL THE MAIN LINE A MINIMUM OF 15" DEEP AND LATERAL LINES MIN. 12" DEEP.

SHOWN AND SECURELY ATTACHED TO THE INSIDE OF THE CONTROLLER DOOR.

16. PROVIDE A NEW WATER PROOF TAG WITH CONTRACTOR'S NAME AND TELEPHONE NUMBER CLEARLY

TREE REMOVAL LIST							
Tag No.	Total Caliper Inches Removed	Tree Type	Replacement Factor	Replacement Inches Required	Reason for Removal and Mitigation		
1297	8.00	Chinaberry	0%	0.00	Construction		
1298	17.00	Cedar Elm	50%	8.50	Construction		
	25.00	Total Inches Removed		8.50	Total Mitigation Inches		

TREE REPLACEMENT						
QUANTITY	CALIPER PER INCHES	REPLACEMENT IN INCHES				
2	6	12				
4	6	24				
2	2	4				
2	2	4				
	TOTAL REPLACEMENT	44				
	QUANTITY 2 4 2	QUANTITY CALIPER PER INCHES  2 6 4 6 2 2 2 2 TOTAL				

Street Yard = 23,408 s.f.					
Required Street Yard Land	scape= 4,681 s.f.				
Provided Street Yard Land	scaped = 4,963 s.f.				
City Tree Requirements					
Required Street Yard Trees	s = 16				
Provided Street Yard Trees	(including existin	g tree credit) = 12			
Existing Trees Credit					
2" diameter to 6" diamete	r (1 for 1) = N/A				
6" diameter or more (2 for	1) = 1 trees (cred	it of 2)			
	LAND	SCAPE IN PARKING	LOTS		
City Landscape Requireme	ents				
Required street yard parki		area = 195 s.f.			
Provided street yard parki					
Dogwins dog a service	a a white a last last last				
Required non-street yard		<u> </u>			
Provided non-street yard p	parking lot landsca	iped area = N/A			
	INNOVATIVE MAA	TER MANAGEMENT	RECHIRENTERITS		
City Requirements	INIVOVALIVE WAI	I EIN IVIAINAULIVIEINI	NEQUINEIVIENTS		
50% of total required land	scaped area = (4,	681 sf + 210 sf + 1.0	63 sf)/2 = 2,977 sf		
1- undisturbed natural are				on = 3,334 sf	
2- irrigated by stormwater					
				,	
	BUF	FERING POINT SYST	EM		
Buffering Points Required	46				
Buffering Points Provided	139				
	Quantity	Preferred	Other		Point
Large Trees (3" Cal.)	2	9	N/A		18
Small Trees (2" Cal.)	2	6	N/A		12
Large Shrubs - 5 Gal.	8	3	N/A		24
Medium Shrubs - 5 Gal.	16	3	N/A		48
	37				37
Medium Shrubs - 1 Gal.	J 7	1	IN/A		
Medium Shrubs - 1 Gal.	37	1	N/A	TOTAL	13
Medium Shrubs - 1 Gal.				TOTAL	13
		E COMPLIANCE CAL		TOTAL	
<u>Deficiency</u>	ALTERNATIV	E COMPLIANCE CAL	CULATIONS	TOTAL	
	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	
<u>Deficiency</u>	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	
<u>Deficiency</u> Street Yard Trees	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	
Deficiency Street Yard Trees  Total Deficiency Deficiency Compensation 50%+ Increased Parking	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	Point
Deficiency Street Yard Trees  Total Deficiency Deficiency Compensation 50%+ Increased Parking Buffer	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	Point
Deficiency Street Yard Trees  Total Deficiency Deficiency Compensation 50%+ Increased Parking Buffer Native / Xeric Landscape	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	Point
Deficiency Street Yard Trees  Total Deficiency Deficiency Compensation 50%+ Increased Parking Buffer	ALTERNATIV Unable to plant r	E COMPLIANCE CAL	CULATIONS trees because	TOTAL	Point

BASIC STREET YARD REQUIREMENTS

	TRE	E LIST		
COMMON NAME	BOTANICAL NAME	SIZE	SPACING	COMMENT
LIVE OAK	QUERCUS FUSIFORMIS	6" CALIPER	AS SHOWN	SINGLE TRUNK
LACEY OAK	QUERCUS LACEYI	6" CALIPER	AS SHOWN	SINGLE TRUNK
MEXICAN REDBUD	CERCIS CANADENSIS 'MEXICANA'	2" CALIPER	AS SHOWN	SINGLE TRUNK
YAUPON HOLLY	ILLEX VOMITORIA	2" CALIPER	AS SHOWN	MULTI-TRUNK
	PLAN	IT LIST	•	
COMMON NAME	BOTANICAL NAME	SIZE	SPACING	COMMENT
BIG MUHLY	MUHLENBERGIA RIGENS	10 GAL	AS SHOWN	
CHERRY SAGE	SALVIA GREGGII	1 GAL	AS SHOWN	
DWARF YAUPON HOLLY	ILLEX VOMITORIA 'NANA'	10 GAL	AS SHOWN	
RED YUCCA	HESPERALOE PARVIFLORA	1 GAL	AS SHOWN	
BERMUDA GRASS	CYNODON DACTYLON	SOLID SOD	AS SHOWN	
NATIVE GRASS MIX		HYDROMULCH	AS SHOWN	COA 604S - TABLE 4

URBAN FOREST ACCOUNTING CALCULATIONS	
(Within or adjacent to LOC)	Caliper inches
TOTAL APPENDIX F TREE INCHES SURVEYED	366
TOTAL APPENDIX F TREE INCHES REMOVED	17
TOTAL NON-APPENDIX F AND INVASIVE REMOVED	8
TOTAL MITIGATION INCHES PLANTED ON SITE	44
TOTAL DEAD INCHES REMOVED	0
TOTAL NON-MITIGATION INCHES PLANTED ON SITE	0



305 East Huntland Drive Suite 200 Austin, Texas 78752 p: 512.453.0767 f: 512.453.1734

TBPLS FIRM REGISTRATION NO.: 10065600

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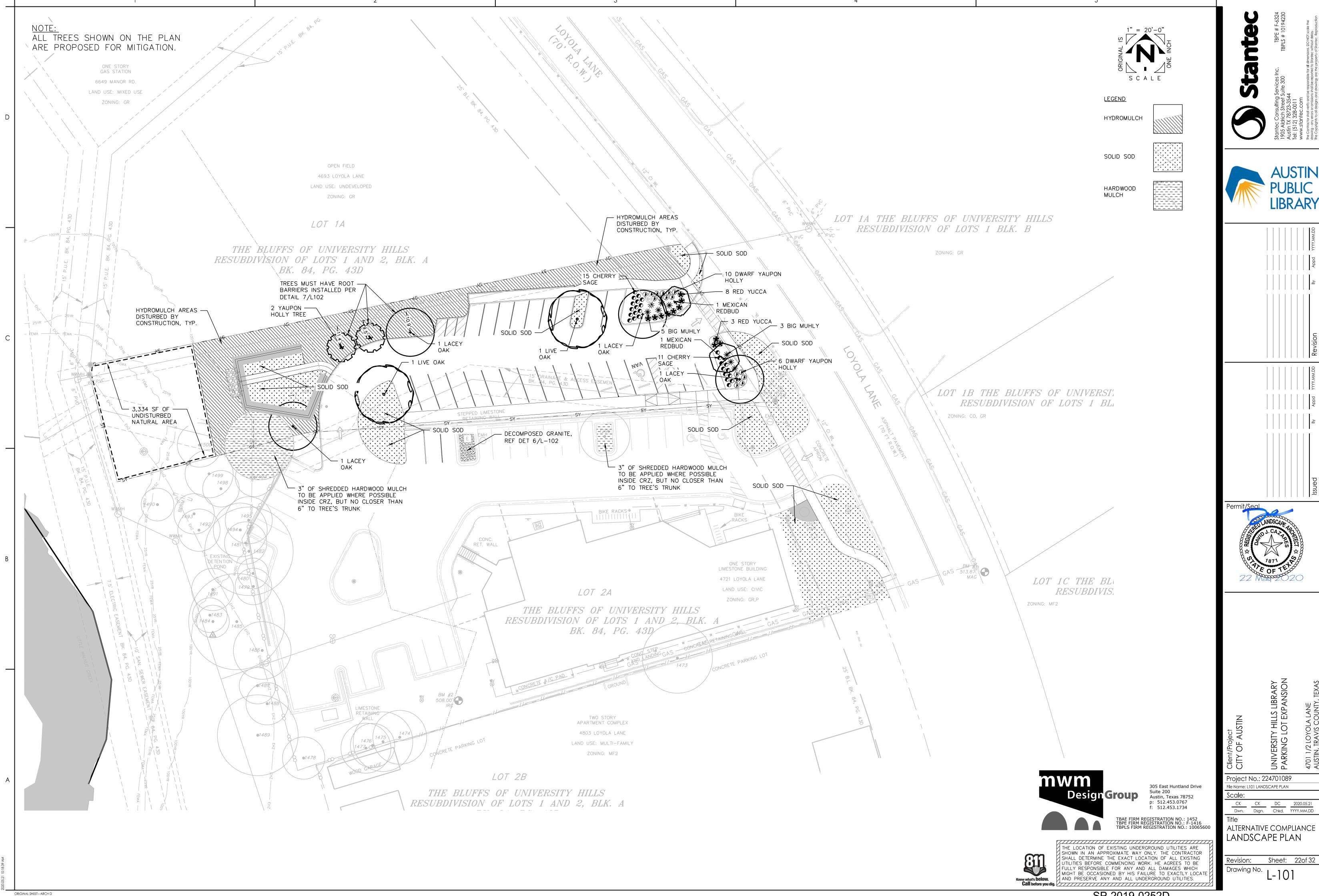
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**IRRIGATION NOTES** Revision: Sheet: 21 of 32

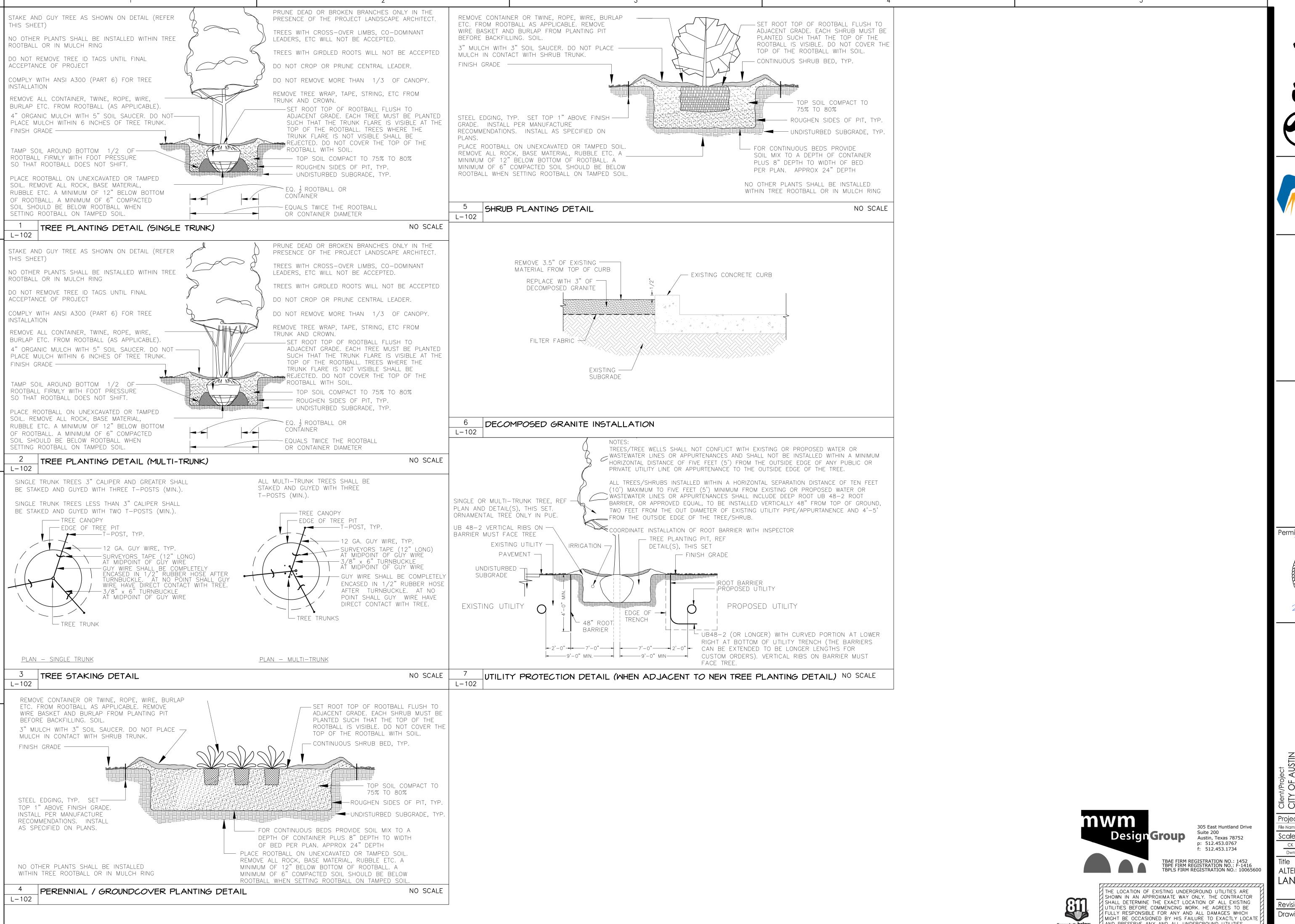
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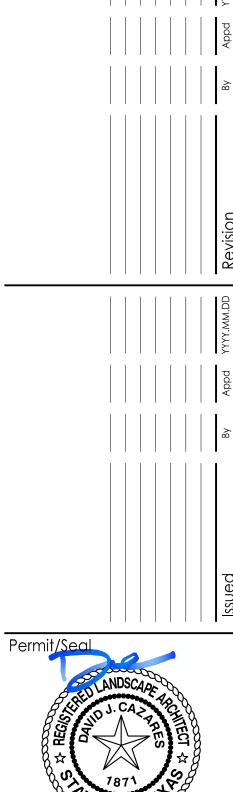
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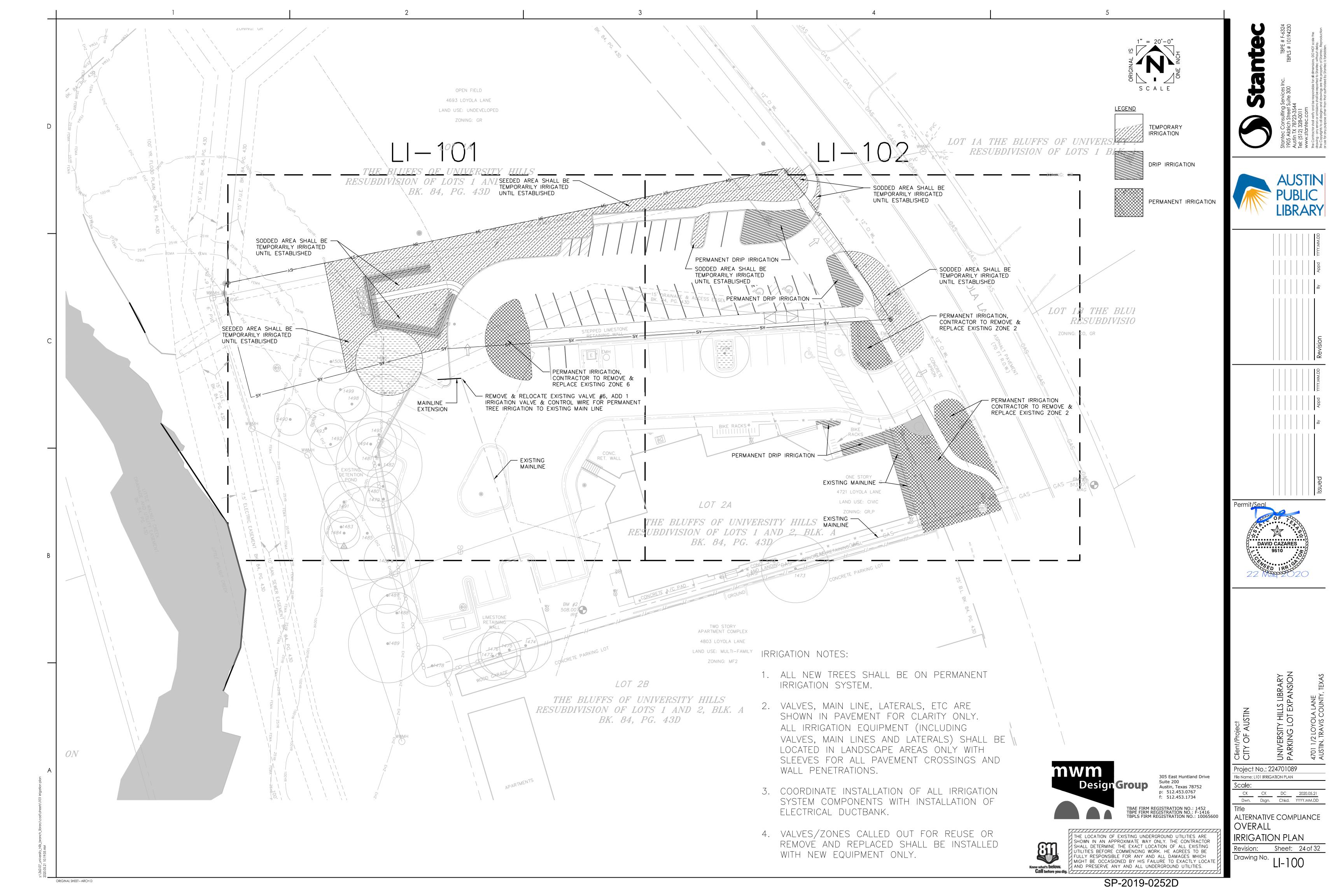
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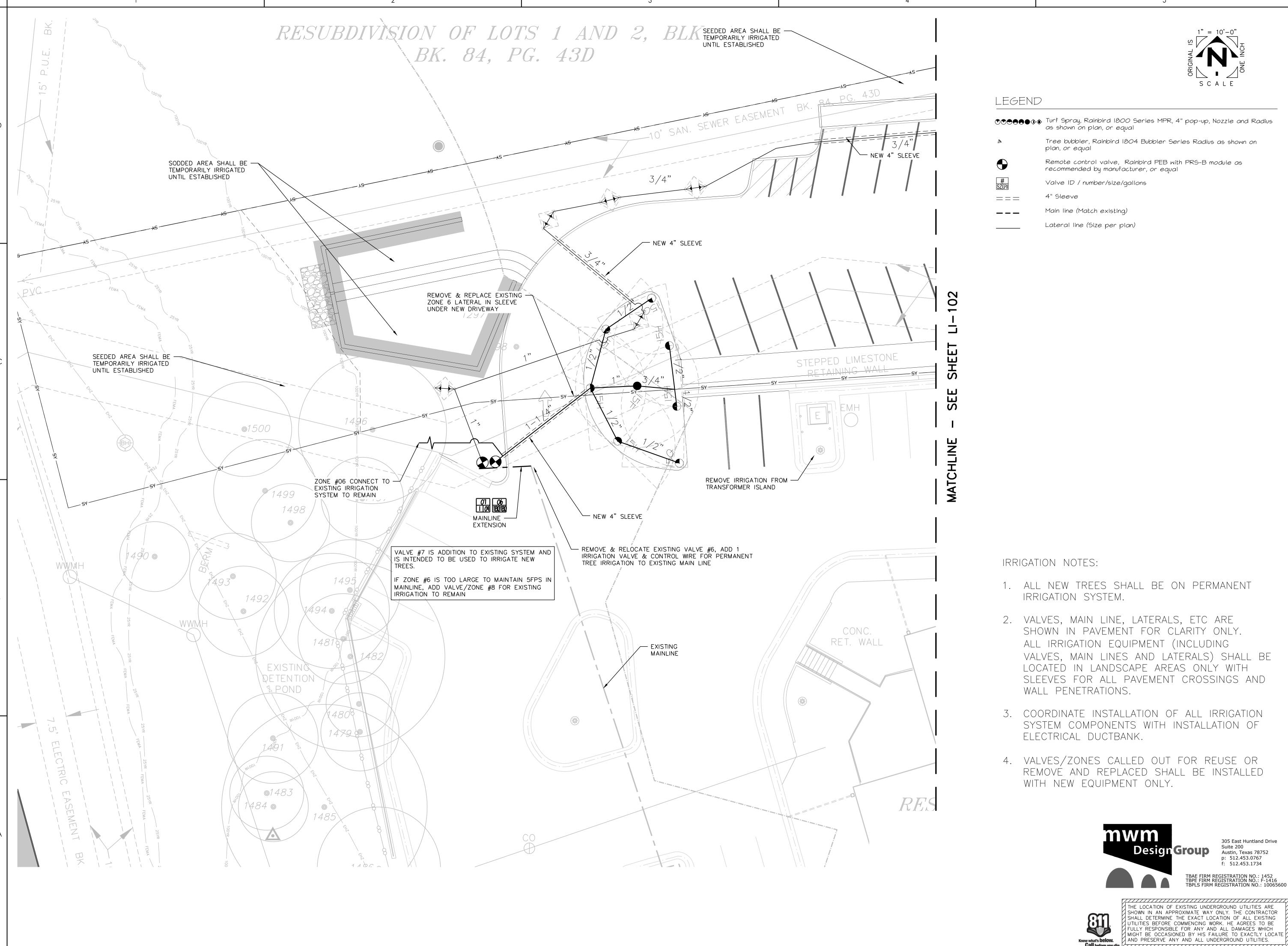
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 ALTERNATIVE COMPLIANCE LANDSCAPE DETAILS

Revision: Sheet: 23 of 32 Drawing No.

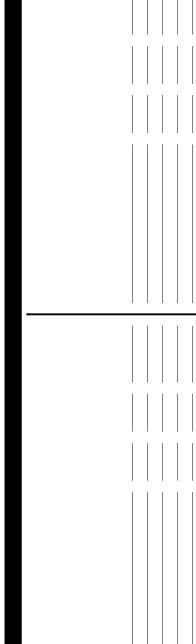












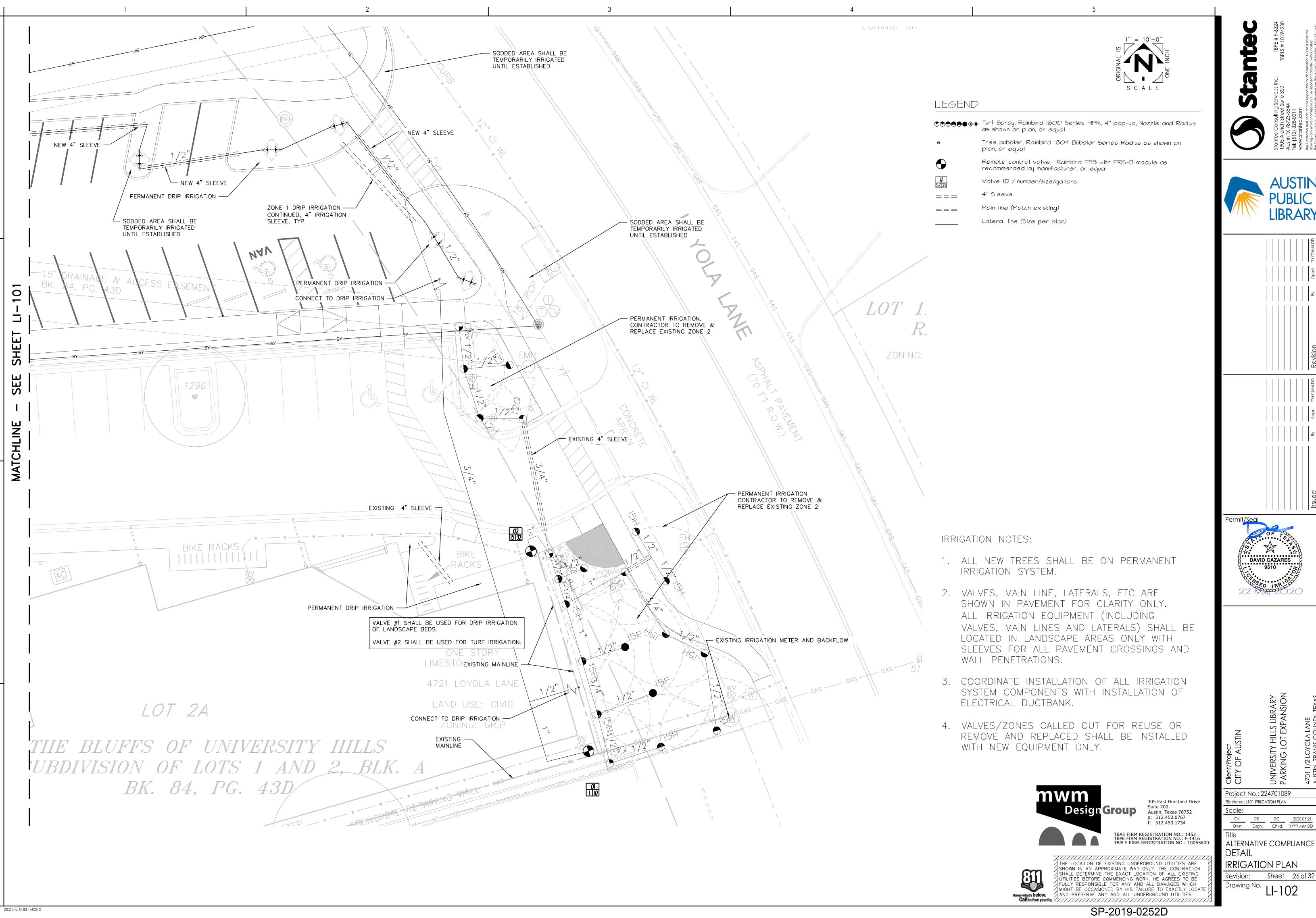
Project No.: 224701089 File Name: L101 |RR|GAT|ON PLAN

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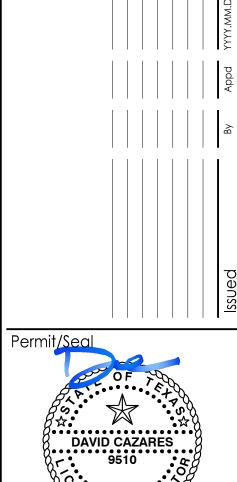
ALTERNATIVE COMPLIANCE **DETAIL** IRRIGATION PLAN

Revision: Sheet: 25 of 32 Drawing No. LI-101









Project No.: 224701089

ile Name: L101 IRRIGATION PLAN

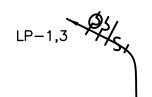
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**DETAIL** IRRIGATION PLAN

Revision: Sheet: 26 of 32 Drawing No. LI-102

# ELECTRICAL DRAWING SYMBOLS



HOMERUN TO PANEL CIRCUIT NUMBERS INDICATED. SHORT HASH MARKS INDICATE PHASE WIRES: LONG HASH MARK INDICATES NEUTRAL WIRE; MARK INDICATES EQUIPMENT GROUND WIRE; SINDICATES ISOLATED GROUND WIRE; S INDICATES SWITCHED WIRE. NUMBER OF ARROWHEADS CORRESPONDS TO NUMBER OF CIRCUITS.

3/4"-3#10(P), 1#10(G)

CONDUIT AND WIRE DESIGNATION. E.G. 3/4" CONDUIT, 3#10 POWER WIRES, 1#10 GROUND WIRE.

(N) NEUTRAL (P) POWER (G) GROUND (SH) SPACE HEATER (C) CONTROL (IG) ISOLATED GROUND (I) INSTRUMENTATION (SP) SPARE

ELECTRICAL CONDUIT TAG. REFER TO CONDUIT SCHEMATICS AND CONDUIT/WIRE SCHEDULE.



XX-XX

GROUND ROD (3/4" DIA. X 10'-0" LG.)



TYPICAL DUCT BANK SECTIONAL VIEW. SOLID CIRCLE REPRESENTS AN OCCUPIED CONDUIT. HOLLOW CIRCLE REPRESENTS AN EMPTY CONDUIT. REFER TO APPROPRIATE CONDUIT/WIRE SCHEDULE.

\_\_\_\_\_

CONDUIT RUN CONCEALED IN CEILING, WALLS, SLAB, UNDERGROUND OR UNDER SLAB (WHEN CONDUIT IS LARGER THAN 1/3 OF SLAB THICKNESS OR CANNOT BE PLACED IN CENTER OF SLAB).

CONDUIT RUN EXPOSED

CONDUIT TURNING DOWN

CONDUIT TURNING UP

STUB UP, VERTICAL CONDUIT RUN

FLEXIBLE CONDUIT

CONDUIT CAPPED FOR FUTURE USE CONDUIT SEAL

+36

DUPLEX RECEPTACLE "7" INDICATES CIRCUIT NUMBER. MOUNTING HEIGHT AS INDICATED

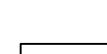


SINGLE POLE SWITCH

(36" SHOWN)



LIGHTING/AUXILIARY POWER PANEL-SURFACE MOUNTED



DISTRIBUTION POWER PANEL-SURFACE MOUNTED

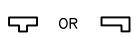
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GROUND WIRE

JUNCTION BOX

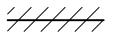
J OR





CONDUIT BODY

PULL BOX



CONDUIT RUN OR ITEM DEMOLISHED

ORIGINAL SHEET - ARCH D

POLE MOUNTED LIGHT FIXTURE

### GENERAL NOTES:

- 1. ALL EQUIPMENT SHOWN ON THE EXISTING/DEMOLITION DRAWINGS ARE EXISTING.
- CROSS-HATCHED LINEWORK SHOWN ON THE DEMOLITION DRAWINGS DENOTES EQUIPMENT TO BE DEMOLISHED UNLESS OTHERWISE NOTED. ALL DEMOLITION ACTIVITIES SHALL ALSO BE FULLY COORDINATED WITH MECHANICAL/STRUCTURAL/CIVIL/ETC.. DEMOLITION ACTIVITIES AND SHALL SUPPORT THE OPERATIONAL REQUIREMENTS OF THE FACILITY DURING ALL PHASES OF CONSTRUCTION. ALL DEMOLISHED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER. RELOCATE ALL DEMOLISHED ITEMS TO LOCATION(S) SPECIFIED BY OWNER AT NO ADDITIONAL COST TO THE OWNER. THE OWNER HAS THE RIGHT OF FIRST REFUSAL ON ANY EQUIPMENT TO BE DEMOLISHED.
- 3. EQUIPMENT/CONDUIT TAGS/NAMES HAVE BEEN ARBITRARILY ASSIGNED TO AID IN THE DRAWINGS. SOME EXISTING TAGS/NAMES HAVE BEEN USED WHERE POSSIBLE. CONTRACTOR SHALL MAKE EXTENSIVE VERIFICATION OF EXISTING EQUIPMENT PRIOR TO COMMENCING FULL SCALE DEMOLITION/RENOVATION ACTIVITIES.
- SHOULD A POWER OUTAGE TO A FACILITY BE REQUIRED, THE CONTRACTOR SHALL REQUEST SUCH AN OUTAGE IN WRITING NO LESS THAN EIGHTY (80) HOURS IN ADVANCE. CONTRACTOR'S WRITTEN REQUEST SHALL IDENTIFY THE DESIRED DATE, TIME, DURATION, AND PURPOSE OF THE REQUESTED DAY UNLESS HE/SHE OBTAINS A WRITTEN APPROVAL FROM THE OWNER AUTHORIZING THE OUTAGE. THE OWNER RESERVES THE RIGHT TO MODIFY OR REJECT ANY REQUEST SUCH AN OUTAGE. MODIFICATION OR REJECTION OF THE CONTRACTOR'S REQUEST BY THE OWNER SHALL NOT BE CONSIDERED REASON FOR DELAYS IN THE CONSTRUCTION SCHEDULE. UNLESS OTHERWISE NOTED, THE DURATION OF THE OUTAGE SHALL BE LIMITED TO FOUR (4) HOURS OR LESS. THE OWNER RESERVES THE RIGHT TO LIMIT THE DURATION OF THE OUTAGE TO LESS THAN 4 HOURS. MODIFICATION OF THE OUTAGE DURATION BY THE OWNER SHALL NOT BE CONSIDERED REASON FOR DELAYS IN THE CONSTRUCTION SCHEDULE.
- VERIFY LOCATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION OF FACILITIES PROPOSED IN THIS CONTRACT. TAKE CARE TO AVOID DAMAGE TO EXISTING FACILITIES. REPAIR ANY FACILITY DAMAGED IN THE COURSE OF CONSTRUCTION OF ANY PART OF THIS CONTRACT TO ITS ORIGINAL OPERATING CONDITION IMMEDIATELY, WITH REPAIR CREWS WORKING 24 HOURS PER DAY UNTIL THE DAMAGE IS REPAIRED.
- THE CONTRACTOR SHALL BE AWARE THAT WHEN ANY EXISTING EQUIPMENT IS DISCONNECTED, REMOVED, RELOCATED OR OTHERWISE MODIFIED, THE POSSIBILITY MAY EXIST FOR SUCH ACTION TO LEAD TO INTERRUPTION OF OPERATION OF THE FACILITY IF EXTREME CARE, VERIFICATION, AND VALIDATION IS NOT CAREFULLY EXERCISED PRIOR TO COMMENCEMENT OF SUCH ACTIVITY. THE CONTRACTOR SHALL KNOW THAT ANY INTERRUPTION TO THE CONTINUITY OF FACILITY OPERATION IS UNACCEPTABLE DURING THE CONSTRUCTION COURSE OF THIS PROJECT. HOWEVER, SHOULD ANY INTERRUPTION TO THE FACILITY OPERATION OCCUR FOR ANY UNFORESEEN REASON, WHETHER TOTALLY ACCIDENTAL OR DUE TO IMPROPER FIELD INVESTIGATION AND IMPROPER PLANNING PRIOR TO COMMENCEMENT OF THE ELECTRICAL DEMOLITION EFFORT, THE RESPONSIBLE CONTRACTOR SHALL DETERMINE THE PROBLEM, CORRECT IT, AND START UP THE INTERRUPTED EQUIPMENT WITHIN A CERTAIN TIME PERIOD AS DETERMINED BY THE OWNER. THE CONTRACTOR SHALL PROVIDE CONTINUOUS, 24-HOUR, LABOR, EQUIPMENT, MATERIAL, AND ACCESSORIES UNTIL SUCH TIME THAT ANY AFFECTED EQUIPMENT OPERATES AS PREVIOUSLY OPERATED AND TO THE OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE APPLICABLE CONDUIT/WIRING TO EXISTING EQUIPMENT WHETHER SHOWN HERE OR NOT. THE CONTRACTOR SHALL EXERCISE EVERY PRECAUTION TO ELIMINATE HAZARDS IN DISCONNECTING ANY DEVICE FROM AN ELECTRICAL CIRCUIT. THE CONTRACTOR MUST TAKE GREAT CARE FOR THERE ARE NO AVAILABLE AS BUILT RECORDS ACCURATELY AND COMPLETELY IDENTIFYING THE EXISTING ROUTING OF ALL DUCTBANK/CONDUIT BETWEEN THE VARIOUS EXISTING EQUIPMENT AND THEIR COORDINATION WITH THE EXISTING ELECTRICAL SYSTEM. THEREFORE THE CONTRACTOR IS TO EXERCISE EXTREME CARE, VERIFY THE ROUTING OF EXISTING DUCTBANK/CONDUIT PRIOR TO FULL SCALE DEMOLITION OR RENOVATION ACTIVITIES. FOLLOWING THE DISCOVERY VERIFICATION OF THE EXISTING FIELD CONDITIONS, SHOULD ADJUSTMENTS BECOME A NECESSITY TO THE EXISTING OR PROPOSED SYSTEM (AS APPLICABLE), THE EXISTING DISCOVERED FIELD CONDITIONS MUST BE BROUGHT TO THE OWNERS ATTENTION FOR EXECUTION OF THE NECESSARY ADJUSTMENTS/MODIFICATIONS.
- THE INTENT IS TO KEEP THE EXISTING FACILITY OPERATIONAL AT ALL TIMES. COORDINATE WITH THE OWNER FOR SCHEDULING OF EQUIPMENT/POWER OUTAGES REQUIRED PRIOR TO COMMENCING DEMOLITION/MODIFICATION ACTIVITIES.
- 9. SHOULD PROBLEMS OCCUR UPON THE ACTIVATION OF POWER, CORRECTION SHALL BE MADE PROMPTLY.
- 10. ALL ELECTRICAL SWITCHING, DE-ENERGIZING OF LOADS, ENERGIZING OF LOADS, ETC., SHALL BE PERFORMED IN THE PRESENCE OF, AND WITH THE CONSENT OF,
- 11. NOT ALL REQUIREMENTS ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED ELECTRICAL SYSTEM ARE SHOWN ON THE RENOVATION DRAWINGS. REFER TO OTHER CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
- 12. THE OWNER'S EXISTING EQUIPMENT IS IN PERFECT WORKING CONDITION. SHOULD THE EXISTING EQUIPMENT. ITS ASSOCIATED INTERCONNECT CONDUIT/WIRE. ETC.. AS APPLICABLE, BE DAMAGED OR BECOME OTHERWISE UNUSABLE DURING THE CONSTRUCTION COURSE OF THIS PROJECT, THE RESPONSIBLE CONTRACTOR SHALL DETERMINE THE PROBLEM, CORRECT IT, AND FURNISH AND INSTALL ALL NECESSARY WIRING/HARDWARE/ETC., TO MATCH EXISTING AND MAKE ALL FINAL CONNECTIONS SUCH THAT ALL AFFECTED EQUIPMENT OPERATES AS PREVIOUSLY OPERATED TO THE OWNERS SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
- 13. PROPOSED ITEMS SHOWN ON THE PROPOSED/RENOVATION/MODIFICATION DRAWINGS ARE SHOWN IN DARK LINEWORK. EXISTING AND FUTURE ITEMS ARE SHOWN IN LIGHT LINEWORK. UNLESS NOTED OTHERWISE.

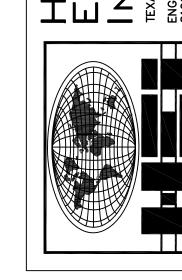
### GENERAL NOTES (CONTINUED):

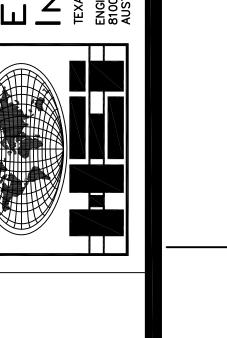
- 14. THE ACTUAL REQUIRED SIZE OF CONDUIT ENTRANCE AREAS TO BE DETERMINED BY THE MANUFACTURER. THE LOCATION AND SIZE OF THE CONDUIT ENTRANCE AREAS FOR THE CONTROL PANEL, MOTOR STARTER PANELS, ETC., AS APPLICABLE, SHALL BE COORDINATED WITH THE APPLICABLE STRUCTURE PLANS. REFER TO THE APPLICABLE CIVIL/STRUCTURAL/ MECHANICAL/ELECTRICAL, ETC.
- LOCATIONS AND SIZES OF ELECTRICAL EQUIPMENT ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND ALL POINTS OF CONNECTION PRIOR TO INSTALLATION OF PROPOSED COMPONENTS
- 16. NOT ALL ELECTRICAL/MECHANICAL/STRUCTURAL/CIVIL/ETC. ITEMS ARE SHOWN ON EACH DRAWING. REFER TO THE APPLICABLE ELECTRICAL/MECHANICAL/ STRUCTURAL/CIVIL/ETC. DRAWINGS AND MAKE ALL FINAL CONNECTIONS. FIELD VERIFICATION OF EXISTING CONDITIONS IS REQUIRED.
- 17. CONTRACTOR SHALL COORDINATE ROUTE OF PROPOSED CONDUIT/WIRE WITH PROPOSED CIVIL/MECHANICAL/ STRUCTURAL/ELECTRICAL SYSTEMS/COMPONENTS/ EQUIPMENT/UTILITIES, ETC.
- 18. CONTRACTOR SHALL SIZE ALL PULL/JUNCTION BOXES PER, AND IN ACCORDANCE WITH, THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (N.E.C.).
- 19. EXACT LOCATIONS OF MECHANICAL/STRUCTURAL/CIVIL COMPONENTS ARE NOT SHOWN ON THE ELECTRICAL, INSTRUMENTATION, OR CONTROL SYSTEM DRAWINGS. REFER TO MECHANICAL/STRUCTURAL/CIVIL DRAWINGS AND FIELD CONDITIONS FOR EXACT LOCATIONS OF MECHANICAL/STRUCTURAL/CIVIL ITEMS.
- 20. DUCT BANKS SINCE THERE ARE NO AVAILABLE AS BUILT RECORDS OF PROFILES IDENTIFYING THE LOCATION AND INVERT ELEVATIONS OF EXISTING UNDERGROUND ELECTRICAL SYSTEM (CONDUITS, DUCT BANK, GROUNDING NETWORK, ETC.) AND UNDERGROUND MECHANICAL PIPING. ROUTING OF NEW DUCT BANK SHOWN IS BASED ON SCHEMATIC KNOWLEDGE OF THE SIZE OF MECHANICAL PIPING AND THEIR APPROXIMATE SIZE AND/OR LOCATION. NO DATA IS AVAILABLE PERTAINING TO EXISTING UNDERGROUND ELECTRICAL DUCT BANK SYSTEM AND ITS COORDINATION WITH THE UNDERGROUND MECHANICAL SYSTEM. THEREFORE THE CONTRACTOR IS TO EXERCISE EXTREME CARE, VERIFY LOCATION/ROUTING/ELEVATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING FULL SCALE INSTALLATION PROCESS OF THE PROPOSED DUCT BANK SYSTEM. FOLLOWING THE DISCOVERY VERIFICATION OF EXISTING UNDERGROUND UTILITIES, SHOULD ADJUSTMENT/MODIFICATIONS BECOME A NECESSITY TO EITHER THE EXISTING OR PROPOSED SYSTEM (AS APPLICABLE). THE EXISTING DISCOVERED FIELD CONDITIONS MUST BE BROUGHT TO THE OWNER'S ATTENTION FOR EXECUTION OF THE NECESSARY ADJUSTMENTS/MODIFICATIONS.
- THE MAJORITY OF THE CONDUIT/WIRE ROUTES SHOWN ON THE DRAWINGS ARE SHOWN SCHEMATICALLY. ADDITIONALLY, CERTAIN SPECIFIC CONDUIT/WIRE/PULLBOX/ETC., LOCATION/ROUTING REQUIREMENTS ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION/ROUTING FOR, FURNISH, AND INSTALL THE ENTIRE LENGTH OF THE PROPOSED CONDUIT/WIRE. REQUIRED INTERMEDIATE PULLBOXES. RELATED FITTINGS, AND ALL REQUIRED MOUNTING HARDWARE AND MAKE ALL FINAL CONNECTIONS. THE CONTRACTOR SHALL SIZE ALL NECESSARY REQUIRED PULLBOXES TO FACILITATE THE PROPOSED CONDUIT/WIRE INSTALLATION. ALSO REFER TO THE APPLICABLE CONDUIT/WIRE SCHEDULE, FLOOR PLAN DRAWINGS, ETC., TO AIDE IN THE LOCATION/ROUTING OF THE PROPOSED CONDUIT/WIRE/PULLBOXES/MOUNTING HARDWARE/ETC. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE PROPOSED ELECTRICAL EQUIPMENT WITH THE INSTALLATION OF THE PROPOSED CIVIL/MECHANICAL/STRUCTURAL/ETC. UTILITIES, AND THE EXISTING CIVIL/MECHANICAL/STRUCTURAL/ETC. UTILITIES.
- ANY MODIFICATION TO THE ROADWAY/CURBING/SIDEWALK/FENCE/ LANDSCAPING/ GRASSES/ ETC., WHETHER SHOWN ON THE DRAWINGS OR NOT, SHALL BE REPAIRED TO MATCH EXISTING TO THE SATISFACTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE OWNER.
- 23. FIELD VERIFY ALL POINTS OF CONNECTION PRIOR TO COMMENCING MODIFICATION ACTIVITIES. THE CONTRACTOR SHALL USE CAUTION DURING THE DEMOLITION ACTIVITIES AND CAREFULLY IDENTIFY AND RECORD ALL EXISTING WIRES, WIRE NUMBERS, TERMINAL BLOCKS, AND ASSOCIATED DEVICE TERMINAL CONNECTIONS PRIOR TO COMMENCING DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL USE THIS INFORMATION DURING THE RENOVATION ACTIVITIES TO RECONNECT EXISTING EQUIPMENT THAT IS SCHEDULED FOR REUSE.
- 24. THE CONTRACTOR SHALL USE CAUTION DURING THE DEMOLITION ACTIVITIES AND CAREFULLY IDENTIFY AND RECORD ALL EXISTING WIRES, WIRE NUMBERS, TERMINAL BLOCKS, AND ASSOCIATED DEVICE TERMINAL CONNECTIONS PRIOR TO COMMENCING DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL USE THIS INFORMATION DURING THE RENOVATION ACTIVITIES TO RECONNECT EXISTING EQUIPMENT THAT IS SCHEDULED FOR REUSE.
- 25. IF ANY EXISTING ROADWAY, SIDEWALK, WALKWAY, STAIRWAY, ETC. IS DAMAGED OR HAS TO BE DEMOLISHED FOR MODIFICATIONS TO THE FACILITY, THEN IT IS THE RESPONSIBILITY OF THE CONTRACTOR SHALL REPAIR EXISTING AREA AND PROVIDE ALL NECESSARY HARDWARE, EQUIPMENT, ETC. REQUIRED TO REPAIR THE EXISTING AREA (I.E. ROADWAY, SIDEWALK, WALKWAY, STAIRWAY, ETC.) TO MATCH THE EXISTING AREA TO ENSURE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION TO THE SATISFACTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE OWNER. COORDINATE WITH MECHANICAL/CIVIL/STRUCTURAL/ETC. PRIOR TO COMMENCING DEMOLITION OR RENOVATION ACTIVITIES.

ALL GENERAL NOTES LISTED ON THIS SHEET ARE APPLICABLE TO ALL ELECTRICAL AND CONTROL SHEETS IN ADDITION TO ANY GENERAL NOTES SHOWN ON EACH INDIVIDUAL SHEET.

BAR DC JRE 1" IS NOT

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Project No.: 224701089 Scale: AS SHOWN

SYMBOLS LEGEND

Revision:

Drawing No. -

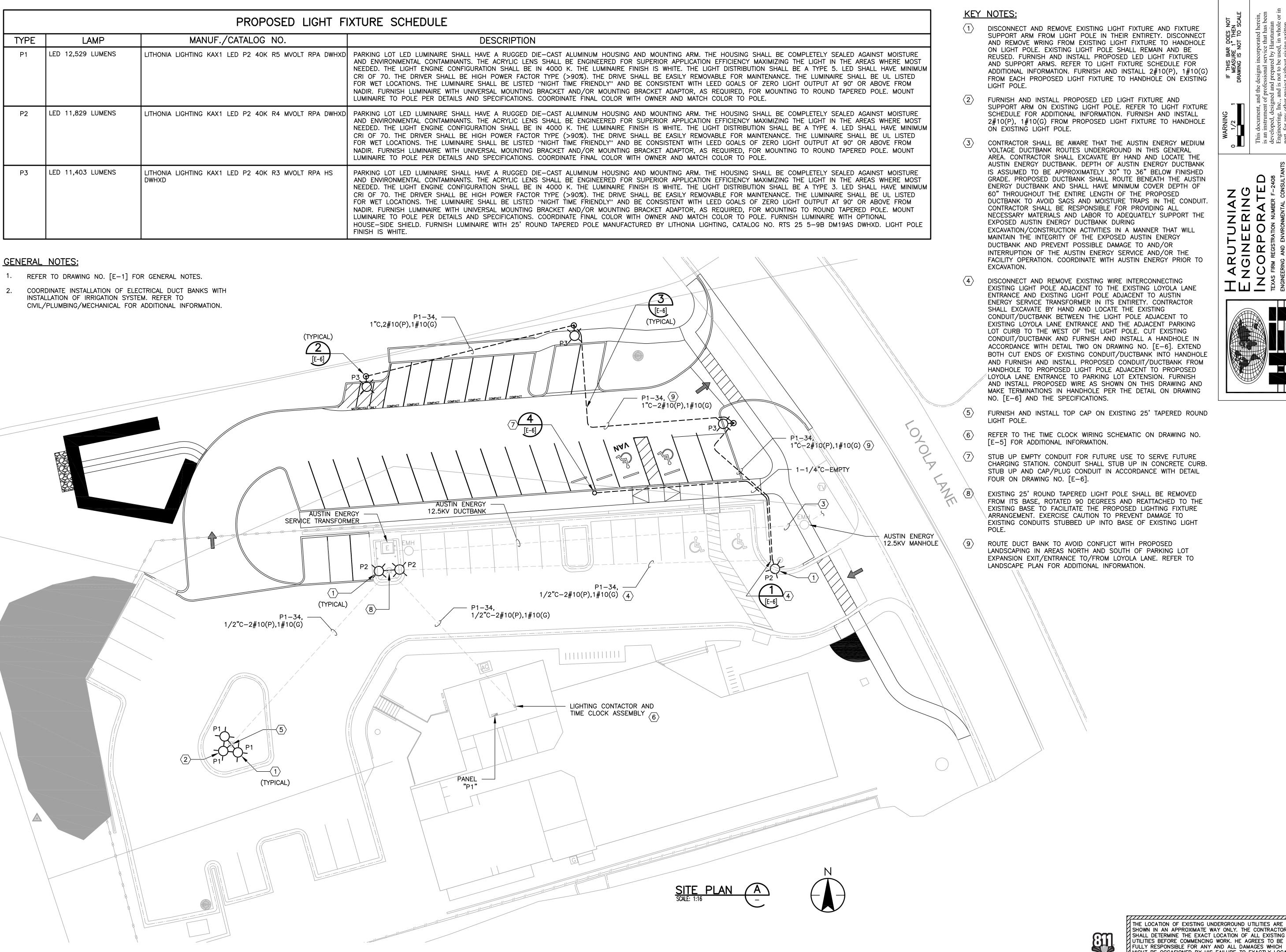
MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE Know what's below,

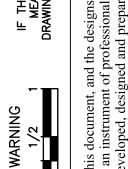
Call before you dig.

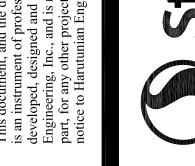
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR

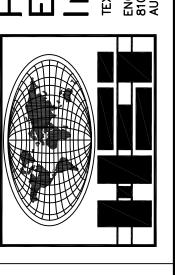
		PROPOSED LIGHT FIXTURE SCHEDULE	KEY NOTES:  (1) PROPOSED PARKING LOT EXPANSION LIGHTING LEVEL WAS	NOT SCALE SCALE herein, as been iian iole or in ten	# 10194230 # 10194230
	TYPE LAMP	MANUF./CATALOG NO. DESCRIPTION	DESIGNED TO 1 FOOT CANDLE IN PARKING AREAS AND AN AVERAGE OF 2 FOOT CANDLES OVERALL, PER THE PHOTOMETRIC	DOES In THE THE TAIL THE	TBP TBPLS # Shorted constitutions of forbiddees is forbiddees
	P1 LED 12,529 LUMENS	LITHONIA LIGHTING KAX1 LED P2 40K R5 MVOLT RPA DWHXD PARKING LOT LED LUMINAIRE SHALL HAVE A RUGGED DIE—CAST ALUMINUM HOUSING AND MOUNTING ARM. THE HOUSING SHALL BE COMPLETELY SEALED AGAINST MOISTURE AND ENVIRONMENTAL CONTAMINANTS. THE ACRYLIC LENS SHALL BE ENGINEERED FOR SUPERIOR APPLICATION EFFICIENCY MAXIMIZING THE LIGHT IN THE AREAS WHERE MOST NEEDED. THE LIGHT ENGINE CONFIGURATION SHALL BE IN 4000 K. THE LUMINAIRE FINISH IS WHITE. THE LIGHT DISTRIBUTION SHALL BE A TYPE 5. LED SHALL HAVE MINIMUM CRI OF 70. THE DRIVER SHALL BE HIGH POWER FACTOR TYPE (>90%). THE DRIVE SHALL BE EASILY REMOVABLE FOR MAINTENANCE. THE LUMINAIRE SHALL BE UL LISTED FOR WET LOCATIONS. THE LUMINAIRE SHALL BE LISTED "NIGHT TIME FRIENDLY" AND BE CONSISTENT WITH LEED GOALS OF ZERO LIGHT OUTPUT AT 90° OR ABOVE FROM NADIR. FURNISH LUMINAIRE WITH UNIVERSAL MOUNTING BRACKET AND/OR MOUNTING BRACKET ADAPTOR, AS REQUIRED, FOR MOUNTING TO ROUND TAPERED POLE. MOUNT LUMINAIRE TO POLE PER DETAILS AND SPECIFICATIONS. COORDINATE FINAL COLOR WITH OWNER AND MATCH COLOR TO POLE.	STUDY IN THE PRELIMINARY ENGINEERING REPORT BY HVJ, DATED JULY 25, 2016.	IF THIS BAR DOES NOT MEASURE 1" THEN MEASURE 1" THEN DRAWING IS NOT TO SCAL and the designs incorporated herein t of professional service that has bee gned and prepared by Harutunian c., and is not to be used, in whole on her project without giving written unian Engineering, Inc.	fling Services Inc.  3544  111  om  iy and be responsible for all dimension missions shall be reported to Startiecy igns and drawings are the property of ther than that authorized by Startiec;
D	P2 LED 11,829 LUMENS	LITHONIA LIGHTING KAX1 LED P2 40K R4 MVOLT RPA DWHXD  PARKING LOT LED LUMINAIRE SHALL HAVE A RUGGED DIE—CAST ALUMINUM HOUSING AND MOUNTING ARM. THE HOUSING SHALL BE COMPLETELY SEALED AGAINST MOISTURE AND ENVIRONMENTAL CONTAMINANTS. THE ACRYLIC LENS SHALL BE ENGINEERED FOR SUPERIOR APPLICATION EFFICIENCY MAXIMIZING THE LIGHT IN THE AREAS WHERE MOST NEEDED. THE LIGHT ENGINE CONFIGURATION SHALL BE IN 4000 K. THE LUMINAIRE FINISH IS WHITE. THE LIGHT DISTRIBUTION SHALL BE A TYPE 4. LED SHALL HAVE MINIMUM CRI OF 70. THE DRIVER SHALL BE HIGH POWER FACTOR TYPE (>90%). THE DRIVE SHALL BE EASILY REMOVABLE FOR MAINTENANCE. THE LUMINAIRE SHALL BE UL LISTED FOR WET LOCATIONS. THE LUMINAIRE SHALL BE LISTED "NIGHT TIME FRIENDLY" AND BE CONSISTENT WITH LEED GOALS OF ZERO LIGHT OUTPUT AT 90° OR ABOVE FROM NADIR. FURNISH LUMINAIRE WITH UNIVERSAL MOUNTING BRACKET AND/OR MOUNTING BRACKET ADAPTOR, AS REQUIRED, FOR MOUNTING TO ROUND TAPERED POLE. MOUNT LUMINAIRE TO POLE PER DETAILS AND SPECIFICATIONS. COORDINATE FINAL COLOR WITH OWNER AND MATCH COLOR TO POLE.		WARNING  0 1/2  This document, is an instrument developed, desi Engineering, In part, for any off notice to Haruth	Stantec Consult 1905 Aldrich Str Austin TX 78723- Tel: (512) 328-00 www.stantec.cc The Contractor shall veril drawing - any enros or a the Copyrights to all des or use for any purpose of
	P3 LED 11,403 LUMENS	PARKING LOT LED LUMINAIRE SHALL HAVE A RUGGED DIE—CAST ALUMINUM HOUSING AND MOUNTING ARM. THE HOUSING SHALL BE COMPLETELY SEALED AGAINST MOISTURE AND ENVIRONMENTAL CONTAMINANTS. THE ACRYLIC LENS SHALL BE ENGINEERED FOR SUPERIOR APPLICATION EFFICIENCY MAXIMIZING THE LIGHT IN THE AREAS WHERE MOST NEEDED. THE LIGHT ENGINE CONFIGURATION SHALL BE IN 4000 K. THE LUMINAIRE FINISH IS WHITE. THE LIGHT DISTRIBUTION SHALL BE A TYPE 3. LED SHALL HAVE MINIMUM CRI OF 70. THE DRIVER SHALL BE HIGH POWER FACTOR TYPE (>90%). THE DRIVE SHALL BE EASILY REMOVABLE FOR MAINTENANCE. THE LUMINAIRE SHALL BE UL LISTED FOR WET LOCATIONS. THE LUMINAIRE SHALL BE LISTED "NIGHT TIME FRIENDLY" AND BE CONSISTENT WITH LEED GOALS OF ZERO LIGHT OUTPUT AT 90' OR ABOVE FROM NADIR. FURNISH LUMINAIRE WITH UNIVERSAL MOUNTING BRACKET AND/OR WOUNTING BRACKET ADAPTOR, AS REQUIRED, FOR MOUNTING TO ROUND TAPERED POLE. MOUNT LUMINAIRE TO POLE PER DETAILS AND SPECIFICATIONS. COORDINATE FINAL COLOR WITH OWNER AND MATCH COLOR TO POLE. FURNISH LUMINAIRE WITH OPTIONAL HOUSE—SIDE SHIELD. FURNISH LUMINAIRE WITH 25' ROUND TAPERED POLE MANUFACTURED BY LITHONIA LIGHTING, CATALOG NO. RTS 25 5—9B DM19AS DWHXD. LIGHT POLE FINISH IS WHITE.		TUNIAN IEERING PORATED STRATION NUMBER F-2408 ENVIRONMENTAL CONSULTANT K DRIVE 8754	Consultant
		(1) LIGHTING LEVEL — +0.4 +0.5 +0.5 +0.4 +0.0 +0.0 +0.0		HARUT ENGINE  TEXAS FIRM REGISTE  ENGINEERING AND E 8100 CROSS PARK   AUSTIN, TEXAS 7878	
С		LIGHT FIXTURE (TYPICAL)  DISTRIBUTION PATTERN (TYPICAL)  10.1			
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), // D.	0 +0.0 +0.0 +0.0 +0.1 +0.1 +0.5 0 +0.0 +0.0 +0.1 +0.1 +0.2 +0.5 +0.9 0 +0.0 +0.1 +0.1 +0.2 +0.8 +1.4	+1.5 +2.0   +2.7 +3.2   +3.5 +3.7   +3.9 +3.8 +3.5 +3.8 +2.7   +2.3 +2.1 +1.9 +1.8 +1.6 +1.4 +1.0 +9.6 +0.7   +0.3 +0.2 +0.7 +0.3 +0.2 +0.7 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.7 +0.9 +0.9 +0.9 +0.7 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9	0.1		4/24/2020
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	0		0.0 +0.0 +0.0 +0.0		nt/Project Y OF AUSTIN VERSITY HILLS LIBRA RKING LOT EXPANSI 1 1/2 LOYOLA LANE TIN, TRAVIS COUNTY, TE
) A D.	0 +0.0 +0.0 +0.1 +0.2 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.4 +0.8 +0.8 +0.4 +0.8 +0.8 +0.8 +0.8 +0.8 +0.8 +0.8 +0.8	+2,2 +2,9 +3,4 +3,7 +3.8 +3.8 +3.6 +3.2 +2.6 +1.8 +1.1 +0.6 +0.3 +0.1 +1.3 +1.7 +2.2 +2.5 +2.7 +2.7 +2.4 +2.0 +1.5 +1.1 +0.6 +0.3 +0.1 +0.1 +0.6 +0.9 +1.2 +1.4 +1.1 +0.7 +0.5 +0.3 +0.1 +0.1			Project No.: 224701089  File Name: E-2  Scale: AS SHOWN  HEI HEI HEI 4/24/2020  Dwn. Dsgn. Chkd. YYYY.MM.DD  Title
) ). ).	0	10.2 †0.4 †0.5 †0.6 †0.6 †0.6 †0.5 †0.4 †0.3 †0.2 †0.1 †0.1 †0.1 †0.0 †0.0 SITE LIGHTING PHOTOMETRICS PLAN (A)  10.1 †0.1 †0.2 †0.2 †0.2 †0.2 †0.2 †0.2 †0.1 †0.1 †0.0 †0.0 †0.0	THE LOCATION OF EXISTING UN SHOWN IN AN APPROXIMATE WAS SHALL DETERMINE THE EXACT IN UTILITIES BEFORE COMMENCING FULLY RESPONSIBLE FOR ANY MIGHT BE OCCASIONED BY HIS AND PRESERVE ANY AND ALL Call before you dig.	DERGROUND UTILITIES ARE AY ONLY. THE CONTRACTOR LOCATION OF ALL EXISTING WORK. HE AGREES TO BE AND ALL DAMAGES WHICH FAILURE TO EXACTLY LOCATE UNDERGROUND UTILITIES.	SITE LIGHTING PHOTOMETRICS PLAN  Revision: Sheet: 28 of 32  Drawing No. E-2

Call before you dig. SP-2019-0252D









4701 1/2 LOYOLA LANE AUSTIN, TRAVIS COUNTY

Project No.: 224701089 ile Name: E-3 cale: AS SHOWN 
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SITE PLAN

Sheet: 29 of 32 Revision:

KEY NOTES:

PANELBOARD IS A GENERAL ELECTRIC TYPE THQB PANELBOARD MANUFACTURED CIRCA 1984.

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

Stantec

H ARUTUNIAN
E NGINEERING
INCORPORATED
TEXAS FIRM REGISTRATION NUMBER F-2408
ENGINEERING AND ENVIRONMENTAL CONSULTANT
8100 CROSS PARK DRIVE
AUSTIN, TEXAS 78754

Project No.: 224701089 File Name: E-4

Scale: AS SHOWN HEIHEIHEI4/24/2020Dwn.Dsgn.Chkd.YYYY.MM.DD

PANEL SCHEDULE - EXISTING

Sheet: 30 of 32 Revision: Drawing No. E-4

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CIRCUIT BREAKER PANEL SCHEDULE—"P1" (1)  VOLTS: 120/240V AMPS: 225A BUS MAIN: 225A PHASE/WIRE: 1ø, 3W									
CONDUIT/WIRE DESCRIPTION	CIRCUIT BREAKER SIZE	CKT. NO.	LOAD DESCRIPTIONS	PHASE A (VA)	PHASE B (VA)	LOAD DESCRIPTIONS	CKT. NO.	CIRCUIT BREAKER SIZE	CONDUIT/WIRE DESCRIPTION
	20 2P	1	LOUNGE AND COFFEE			LIBRARY/READING	2	40 2P	
	20 2P	3	REFRIGERATOR			LIBRARY/READING	4	40 2P	
	20 2P	5	LOUNGE/WORKROOM			LIBRARY/READING	6	40 2P	
	20 2P	7	RESTROOM AND TELCO ROOM			LIBRARY/READING	8	40 2P	
	15 1P	9	FC-5 < TELECOMM AC			LIBRARY/READING, GATE SECURITY	10	20 1P	
	20 1P	11	CONFERENCE/CORRIDOR			LIBRARY/READING	12	20 1P	
	20 1P	13	MEETING #1			EMERGENCY LIGHTS	14	20 1P	
	20 1P	15	MEETING/MECHANICAL			TELCO RECEP./DEDICATED PHONE EQUIPT.	16	20 1P	
	20 1P	17	READING			OUTLET	18	20 1P	
	20 1P	19	READING			OUTLET, DEDICATED OUTLET COMPUTER LAB	20	20 1P	
	20 1P	21	READING			OUTLET	22	20 1P	
	20 1P	23	LIBRARY COUNTER/COMPUTER OUTLET			CORRIDOR	24	20 1P	
	20 1P	25	LIBRARY COUNTER/UTILITY OUTLETS			CONFERENCE	26	20 1P	
	20 1P	27	LOUNGE/COFFEE			MEETING 1 & 2	28	20 1P	
	15 1P	29	SPARE			PUBLIC COMPUTER #2	30	20 1P	
	20 1P	31	CANOPY				32	20 1P	
	20 1P	33	SPARE			PARKING LOT LIGHTING	34	20 1P	
	20 1P	35	FLOOR RECEPTACLES			TELECOMM AC	36	20 1P	
	20 1P	37				PUBLIC COMPUTER #4	38	20 1P	
	20 1P	39	FIRE ALARM			PUBLIC COMPUTER #1	40	20 1P	
	20 1P	41				PUBLIC COMPUTER #3	42	20 1P	
	TOTAL (	CONNEC	TED VOLT AMPS (VA)					<u> </u>	

ORIGINAL SHEET - ARCH D

